



# BERITA NEGARA REPUBLIK INDONESIA

No.1221, 2016

BPOM. Pangan Perisa. Bahan Tambahan.  
Penggunaan. Persyaratan.

PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA  
NOMOR 22 TAHUN 2016  
TENTANG  
PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN PERISA

DENGAN RAHMAT TUHAN YANG MAHA ESA

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

Menimbang : bahwa untuk melaksanakan ketentuan Pasal 4 ayat (2) dan Pasal 5 ayat (2) Peraturan Menteri Kesehatan Nomor 033 Tahun 2012 tentang Bahan Tambahan Pangan perlu menetapkan Peraturan Kepala Badan Pengawas Obat dan Makanan tentang Persyaratan Penggunaan Bahan Tambahan Pangan Perisa;

Mengingat : 1. Undang-Undang Nomor 8 Tahun 1999 tentang Perlindungan Konsumen (Lembaran Negara Republik Indonesia Tahun 1999 Nomor 42, Tambahan Lembaran Negara Republik Indonesia Nomor 3821);  
2. Undang-Undang Nomor 36 Tahun 2009 tentang Kesehatan (Lembaran Negara Republik Indonesia Tahun 2009 Nomor 144, Tambahan Lembaran Negara Republik Indonesia Nomor 5063);  
3. Undang-Undang Nomor 18 Tahun 2012 tentang Pangan (Lembaran Negara Republik Indonesia Tahun 2012 Nomor 227, Tambahan Lembaran Negara Republik Indonesia Nomor 5360);

4. Peraturan Pemerintah Nomor 69 Tahun 1999 tentang Label dan Iklan Pangan (Lembaran Negara Republik Indonesia Tahun 1999 Nomor 131, Tambahan Lembaran Negara Republik Indonesia Nomor 3867);
5. Peraturan Pemerintah Nomor 28 Tahun 2004 tentang Keamanan, Mutu dan Gizi Pangan (Lembaran Negara Republik Indonesia Tahun 2004 Nomor 107, Tambahan Lembaran Negara Republik Indonesia Nomor 4424);
6. Keputusan Presiden Nomor 103 Tahun 2001 tentang Kedudukan, Tugas, Fungsi, Kewenangan, Susunan Organisasi, dan Tata Kerja Lembaga Pemerintah Non Departemen sebagaimana telah beberapa kali diubah terakhir dengan Peraturan Presiden Nomor 145 Tahun 2015 tentang Perubahan Kedelapan atas Keputusan Presiden Nomor 103 Tahun 2001 tentang Kedudukan, Tugas, Fungsi, Kewenangan, Susunan Organisasi, dan Tata Kerja Lembaga Pemerintah Non Departemen (Lembaran Negara Republik Indonesia Tahun 2015 Nomor 322);
7. Peraturan Menteri Kesehatan Nomor 033 Tahun 2012 tentang Bahan Tambahan Pangan (Berita Negara Republik Indonesia Tahun 2012 Nomor 757);
8. Peraturan Kepala Badan Pengawas Obat dan Makanan Nomor 31 Tahun 2013 tentang Pengawasan Formula Pertumbuhan (Berita Negara Republik Indonesia Tahun 2013 Nomor 709);
9. Peraturan Kepala Badan Pengawas Obat dan Makanan Nomor 16 Tahun 2016 tentang Kriteria Mikrobiologi dalam Pangan Olahan (Berita Negara Republik Indonesia Tahun 2016 Nomor 1138);
10. Peraturan Kepala Badan Pengawas Obat dan Makanan Nomor 21 Tahun 2016 tentang Kategori Pangan (Berita Negara Republik Indonesia Tahun 2016 Nomor );

MEMUTUSKAN:

Menetapkan : PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN TENTANG PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN PERISA.

BAB I

KETENTUAN UMUM

Pasal 1

Dalam Peraturan Kepala Badan ini, yang dimaksud dengan:

1. Pangan adalah segala sesuatu yang berasal dari sumber hayati produk pertanian, perkebunan, kehutanan, perikanan, peternakan, perairan, dan air, baik yang diolah maupun tidak diolah yang diperuntukkan sebagai makanan atau minuman bagi konsumsi manusia, termasuk bahan tambahan pangan, bahan baku pangan, dan bahan lainnya yang digunakan dalam proses penyiapan, pengolahan dan/atau pembuatan makanan atau minuman.
2. Bahan Tambahan Pangan yang selanjutnya disingkat BTP, adalah bahan yang ditambahkan ke dalam pangan untuk mempengaruhi sifat atau bentuk pangan.
3. Perisa adalah bahan tambahan pangan berupa preparat konsentrat, dengan atau tanpa ajudan perisa (*flavouring adjunct*) yang digunakan untuk memberi flavour, dengan pengecualian rasa asin, manis dan asam.
4. Preparat Konsentrat adalah bentuk sediaan yang terdiri dari satu atau lebih jenis perisa.
5. Ajudan Perisa (*flavouring adjunct*) adalah bahan tambahan yang diperlukan dalam pembuatan, pelarutan, pengenceran, penyimpanan, dan penggunaan perisa.
6. Flavour adalah gabungan karakteristik bahan yang berupa sensasi rasa dan aroma.
7. Pelarut Pengekstraksi adalah pelarut yang digunakan dalam prosedur ekstraksi selama pengolahan jenis perisa yang selanjutnya dihilangkan, tetapi secara tidak sengaja dapat menyisakan atau secara teknologi tidak dapat

dihindari keberadaan residu atau produk turunan dalam jenis perisa.

8. Bahan Penolong (*Processing Aids*) adalah bahan, tidak termasuk peralatan, yang lazimnya tidak dikonsumsi sebagai pangan, digunakan dalam proses pengolahan pangan untuk memenuhi tujuan teknologi tertentu dan tidak meninggalkan residu pada produk akhir, tetapi apabila tidak mungkin dihindari, residu dan atau turunannya dalam produk akhir tidak menimbulkan risiko terhadap kesehatan serta tidak mempunyai fungsi teknologi.
9. Senyawa Perisa adalah senyawa kimia tertentu yang mempunyai sifat *flavour*.
10. Senyawa Perisa Alami adalah senyawa perisa yang diperoleh melalui proses fisik, mikrobiologis atau enzimatik dari bahan tumbuhan atau hewan, yang diperoleh secara langsung atau setelah melalui proses pengolahan.
11. Bahan Baku Aromatik Alami adalah bahan baku yang berasal dari tumbuhan atau hewan yang cocok digunakan dalam penyiapan/pembuatan/pengolahan perisa alami.
12. Preparat Perisa adalah bahan yang disiapkan atau diproses untuk memberikan *flavour* yang diperoleh melalui proses fisik, mikrobiologis atau enzimatik dari bahan pangan tumbuhan maupun hewan yang diperoleh secara langsung atau setelah melalui proses pengolahan.
13. Perisa Asap adalah jenis perisa yang diperoleh dari kayu keras termasuk serbuk gergaji, tempurung dan tanaman berkayu melalui proses pembakaran terkontrol atau destilasi kering atau perlakuan dengan uap yang sangat panas, dan selanjutnya dikondensasi serta difraksinasi untuk mendapatkan *flavour* yang diinginkan.
14. Senyawa Perisa Identik Alami adalah senyawa perisa yang diperoleh secara sintesis atau diisolasi melalui proses kimia dari bahan baku aromatik alami dan secara kimia identik dengan senyawa yang ada dalam produk

- alami.
15. Senyawa Perisa Artifisial adalah senyawa perisa yang disintesis secara kimia yang belum teridentifikasi dalam produk alami.
  16. Perisa Hasil Proses Panas adalah jenis perisa dari bahan atau campuran bahan yang diijinkan digunakan dalam pangan, atau yang secara alami terdapat dalam pangan atau diijinkan digunakan dalam pembuatan perisa hasil proses panas.
  17. Perisa Alami adalah kelompok perisa yang terdiri dari satu atau lebih senyawa perisa alami, bahan baku aromatik alami, preparat perisa dan/atau perisa asap serta tidak boleh mengandung senyawa perisa identik alami dan senyawa perisa artifisial.
  18. Perisa Identik Alami adalah kelompok perisa yang dapat terdiri dari satu atau lebih senyawa perisa identik alami dan dapat mengandung senyawa perisa alami, bahan baku aromatik alami, preparat perisa dan/atau perisa asap serta tidak boleh mengandung senyawa perisa artifisial.
  19. Perisa Artifisial adalah kelompok perisa yang dapat terdiri dari satu atau lebih senyawa perisa artifisial.
  20. Senyawa Bioaktif adalah senyawa yang terbawa dari tanaman yang digunakan sebagai perisa, yang dapat memicu aktifitas biologis.
  21. Batas Maksimum Cara Produksi Pangan yang Baik atau Good Manufacturing Practice, selanjutnya disebut Batas Maksimum CPPB, adalah jumlah BTP yang diizinkan terdapat pada pangan dalam jumlah secukupnya yang diperlukan untuk menghasilkan efek yang diinginkan.
  22. Batas Maksimum adalah jumlah maksimum BTP yang diizinkan terdapat pada pangan dalam satuan yang ditetapkan.
  23. Kepala Badan adalah Kepala Badan Pengawas Obat dan Makanan.

## Pasal 2

- (1) BTP tidak dimaksudkan untuk dikonsumsi secara langsung dan/atau tidak diperlakukan sebagai bahan baku pangan.
- (2) BTP dapat mempunyai atau tidak mempunyai nilai gizi, yang sengaja ditambahkan ke dalam pangan untuk tujuan teknologis pada pembuatan, pengolahan, perlakuan, pengepakan, pengemasan, penyimpanan dan/atau pengangkutan pangan untuk menghasilkan atau diharapkan menghasilkan suatu komponen atau mempengaruhi sifat pangan tersebut, baik secara langsung atau tidak langsung.
- (3) BTP tidak termasuk cemaran atau bahan yang ditambahkan ke dalam pangan untuk mempertahankan atau meningkatkan nilai gizi.

## BAB II

## JENIS DAN KELOMPOK BTP PERISA

## Pasal 3

- (1) BTP Perisa terdiri atas jenis Perisa dengan atau tanpa ajudan perisa.
- (2) Jenis Perisa sebagaimana dimaksud pada ayat (1) terdiri atas:
  - a. Senyawa perisa;
  - b. Bahan baku aromatik alami;
  - c. Preparat perisa;
  - d. Perisa asap; dan/atau
  - e. Perisa hasil proses panas.
- (3) Ajudan Perisa sebagaimana dimaksud pada ayat (1) terdiri atas:
  - a. Bahan pangan;
  - b. Bahan tambahan pangan; dan
  - c. Pelarut pengekstraksi.

#### Pasal 4

- (1) BTP Perisa sebagaimana dimaksud dalam Pasal 3 dikelompokkan menjadi:
  - a. Perisa alami;
  - b. Perisa identik alami; dan
  - c. Perisa artifisial.
- (2) Pengelompokan BTP Perisa sebagaimana dimaksud pada ayat (1) didasarkan atas sumber dan proses pembuatan Perisa.
- (3) Untuk tujuan pelabelan BTP Perisa dikelompokkan menjadi:
  - a. Perisa alami; dan
  - b. Perisa sintetik.
- (4) Perisa sintetik sebagaimana dimaksud pada ayat (3) huruf b terdiri atas perisa identik alami dan perisa artifisial.

#### Pasal 5

Senyawa Perisa sebagaimana dimaksud dalam Pasal 3 ayat (2) huruf a terdiri atas:

- a. Senyawa perisa alami;
- b. Senyawa perisa identik alami; dan
- c. Senyawa perisa artifisial.

### BAB III

#### PERSYARATAN

#### Pasal 6

- (1) Senyawa Perisa sebagaimana dimaksud dalam Pasal 5 yang diizinkan digunakan dalam Perisa tercantum pada Lampiran I yang merupakan bagian tidak terpisahkan dari Peraturan Kepala Badan ini.
- (2) Penggunaan senyawa Perisa di dalam Perisa sebagaimana dimaksud pada ayat (1) sesuai batas maksimum CPPB.
- (3) Dikecualikan dari ketentuan sebagaimana dimaksud pada ayat (2) untuk senyawa Perisa yang berfungsi sebagai pelarut pengestraksi, batas maksimum residu sesuai dengan ketentuan pelarut pengestraksi.

## Pasal 7

- (1) Bahan baku aromatik alami sebagaimana dimaksud dalam Pasal 3 ayat (2) huruf b yang berasal dari tumbuhan atau hewan yang lazim dan/atau mempunyai riwayat penggunaan di dalam pangan mencakup namun tidak terbatas pada bubuk bawang, bubuk cabe, irisan daun jeruk, potongan daun salam, irisan jahe, irisan daging, irisan ikan.
- (2) Preparat perisa sebagaimana dimaksud dalam Pasal 3 ayat (2) huruf c yang berasal dari tumbuhan atau hewan yang lazim dan/atau mempunyai riwayat penggunaan di dalam pangan yang telah mengalami proses fisik, mikrobiologi, atau enzimatis mencakup namun tidak terbatas pada minyak jeruk (*orange oil*), ekstrak teh (*tea extract*), paprika oleoresin, bubuk keju (*cheese powder*), ekstrak ragi (*yeast extract*).
- (3) Bahan baku aromatik alami dan/atau preparat perisa sebagaimana dimaksud pada ayat (1) dan ayat (2) dapat mengandung senyawa bioaktif dengan ketentuan dan/atau batas maksimum tercantum dalam Lampiran II yang merupakan bagian tidak terpisahkan dari Peraturan Kepala Badan ini.

## Pasal 8

- (1) Penggunaan Perisa Asap sebagaimana dimaksud dalam Pasal 3 ayat (2) huruf d dalam pangan dibatasi oleh adanya senyawa penanda benzo[a]piren.
- (2) Batas maksimum kandungan benzo[a]piren sebagaimana dimaksud pada ayat (1) dalam produk pangan yang menggunakan perisa asap sebesar 0.03 mcg/kg.
- (3) Dalam hal produk pangan yang menggunakan Perisa Asap dan produk pangan tersebut telah diatur dalam Peraturan Cemaran, batas maksimum benzo[a]piren mengikuti ketentuan Batas Maksimum Cemaran.



Pasal 9

- (1) Penggunaan Perisa hasil proses panas sebagaimana dimaksud dalam Pasal 3 ayat (2) huruf e dibatasi oleh adanya senyawa penanda 3-monochloropropane-1,2-diol (3-MCPD).
- (2) Batas maksimum kandungan 3-monochloropropane-1,2-diol (3-MCPD) sebagaimana dimaksud pada ayat (1) sesuai ketentuan Batas Maksimum Cemar.

Pasal 10

- (1) BTP yang diizinkan sebagai ajuvan perisa sebagaimana dimaksud Pasal 3 ayat (3) huruf b tercantum pada Lampiran III yang merupakan bagian tidak terpisahkan dari Peraturan Kepala Badan ini.
- (2) Keberadaan BTP sebagaimana dimaksud ayat (1) pada produk pangan sebagai akibat dari penggunaan perisa dinyatakan sebagai BTP ikutan.
- (3) Keberadaan BTP sebagai dimaksud ayat (1) harus tidak mempunyai fungsi teknologi

Pasal 11

- (1) Jika BTP Perisa menggunakan pelarut pengestraksi dalam proses pembuatan perisa maka residu pelarut pengestraksi sebagaimana dimaksud dalam Pasal 3 ayat (5) huruf c harus diinformasikan dalam spesifikasi BTP Perisa.
- (2) Batas maksimum residu pelarut pengestrasi dalam produk pangan yang menggunakan BTP Perisa sebagaimana dimaksud pada ayat (1) tercantum pada Lampiran IV yang merupakan bagian tidak terpisahkan dari Peraturan Kepala Badan ini.
- (3) Residu pelarut pengestraksi dalam produk pangan sebagaimana dimaksud ayat (2) dapat dihitung berdasarkan penggunaan perisa.

## BAB IV PENGUNAAN BTP PERISA

### Pasal 12

- (1) Penggunaan BTP Perisa dalam produk pangan harus seminimal mungkin untuk mencapai efek teknologi.
- (2) Penggunaan BTP Perisa yang diizinkan pada formula pertumbuhan tercantum dalam Lampiran V yang merupakan bagian tidak terpisahkan dari Peraturan Kepala Badan ini.
- (3) Penggunaan BTP Perisa yang diizinkan pada Makanan Pendamping ASI (MP-ASI) tercantum dalam Lampiran VI yang merupakan bagian tidak terpisahkan dari Peraturan Kepala Badan ini.

### Pasal 13

- (1) Jika BTP Perisa mengandung senyawa bioaktif harus disertai informasi kandungan senyawa bioaktif dalam spesifikasi BTP Perisa.
- (2) Batas maksimum senyawa bioaktif sebagaimana dimaksud pada ayat (1) tercantum pada Lampiran II yang merupakan bagian tidak terpisahkan dari Peraturan Kepala Badan ini.
- (3) Kandungan senyawa bioaktif dalam produk pangan sebagaimana dimaksud ayat (2) dapat dihitung berdasarkan penggunaan Perisa.

### Pasal 14

- (1) Penggunaan senyawa perisa selain yang tercantum dalam Lampiran I hanya boleh digunakan sebagai BTP Perisa setelah mendapatkan persetujuan tertulis dari Kepala Badan.
- (2) Untuk mendapatkan persetujuan sebagaimana dimaksud pada ayat (1), pemohon harus mengajukan permohonan tertulis kepada Kepala Badan disertai kelengkapan data dengan menggunakan formulir tercantum dalam Lampiran VII yang merupakan bagian tidak terpisahkan

dari Peraturan Kepala Badan ini.

- (3) Keputusan persetujuan/penolakan dari Kepala Badan diberikan paling lama 180 (seratus delapan puluh) hari kerja sejak diterimanya permohonan secara lengkap.

## BAB V

### LABEL

#### Pasal 15

- (1) Label BTP Perisa atau pangan mengandung BTP Perisa harus memenuhi ketentuan peraturan perundang-undangan.
- (2) Dalam hal pencantuman komposisi untuk label BTP Perisa sebagaimana dimaksud dalam ayat (1) wajib menuliskan:
  - a. Kelompok Perisa sebagaimana dimaksud pada Pasal 4 ayat (2); dan
  - b. Ajudan perisa.

## BAB VI

### PRODUKSI, PEMASUKAN, DAN PEREDARAN BTP

#### Pasal 16

- (1) BTP Perisa yang diproduksi, dimasukkan ke dalam wilayah Indonesia, dan diedarkan harus memenuhi standar dan persyaratan dalam Kodeks Makanan Indonesia yang ditetapkan oleh Menteri.
- (2) Dalam hal standar dan persyaratan BTP Perisa belum terdapat dalam Kodeks Makanan Indonesia sebagaimana dimaksud pada ayat (1) dapat digunakan standar dan persyaratan lain.

## BAB VII

### LARANGAN

#### Pasal 17

Perisa dilarang digunakan pada formula bayi.

## Pasal 18

Dilarang menggunakan BTP Perisa untuk tujuan:

- a. menyembunyikan penggunaan bahan yang tidak memenuhi persyaratan;
- b. menyembunyikan cara kerja yang bertentangan dengan cara produksi pangan yang baik untuk pangan; dan/atau
- c. menyembunyikan kerusakan pangan.

## BAB VIII

## SANKSI

## Pasal 19

Pelanggaran terhadap ketentuan dalam Peraturan Kepala Badan ini dapat dikenai sanksi administratif berupa:

- a. peringatan secara tertulis;
- b. larangan mengedarkan untuk sementara waktu dan/atau perintah untuk penarikan kembali dari peredaran;
- c. perintah pemusnahan, jika terbukti tidak memenuhi persyaratan keamanan atau mutu; dan/atau
- d. pencabutan izin edar.

## BAB IX

## KETENTUAN PERALIHAN

## Pasal 20

- (1) BTP Perisa dan Pangan mengandung BTP Perisa yang telah memiliki persetujuan pendaftaran harus menyesuaikan dengan ketentuan dalam Peraturan Kepala Badan ini paling lama 2 (dua) tahun sejak diundangkannya Peraturan Kepala Badan ini.
- (2) BTP Perisa dan Pangan mengandung BTP Perisa yang sedang diajukan permohonan perpanjangan persetujuan pendaftaran sebelum diberlakukannya Peraturan Kepala Badan ini, tetap diproses berdasarkan SNI terkait Perisa.

BAB X  
KETENTUAN PENUTUP

Pasal 21

Peraturan Kepala Badan ini mulai berlaku pada tanggal diundangkan.

Agar setiap orang mengetahuinya, memerintahkan pengundangan Peraturan Kepala Badan ini dengan penempatannya dalam Berita Negara Republik Indonesia.

Ditetapkan di Jakarta  
pada tanggal 24 Mei 2016

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ttd.

ROY A. SPARRINGA

Diundangkan di Jakarta  
pada tanggal 19 Agustus 2016

DIREKTUR JENDERAL  
PERATURAN PERUNDANG-UNDANGAN  
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA  
REPUBLIK INDONESIA,

ttd.

WIDODO EKATJAHJANA

LAMPIRAN I  
 PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
 REPUBLIK INDONESIA  
 NOMOR 22 TAHUN 2016  
 TENTANG  
 PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
 PERISA DALAM PANGAN

**SENYAWA PERISA YANG DIIZINKAN UNTUK DIGUNAKAN DALAM PERISA**

No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
1.	Allyl propionate	1	09.233	2040	2-Propenyl propanoate
2.	Allyl butyrate	2	09.054	2021	2-Propenyl butyrate; allyl butanoate
3.	Allyl hexanoate	3	09.244	2032	2-Propenylhexanoate; allyl caproate
4.	Allyl heptanoate	4	09.097	2031	2-Propenylheptanoate; allyl oenanthate
5.	Allyl octanoate	5	09.119	2037	2-Propenyl octanoate; allyl caprylate
6.	Allyl nonanoate	6	09.109	2036	2-Propenyl nonanoate; allyl pelargonate
7.	Allyl isovalerate	7	09.489	2045	2-Propenyl 3-methylbutanoate
8.	Allyl sorbate	8	09.312	2041	Allyl hexa-2,4-dienoate; 2-propenyl hexa-2,4-dienoate
9.	Allyl 10-undecenoate	9	09.146	2044	Allyl 10-undecenylate; 2-propenyl 10-undecenoate; allyl undec-10-enoate
10.	Allyl tiglate	10	09.493	2043	2-Propenyl trans-2-methyl-2-butenoate; allyl 2-methylcrotonate
11.	Allyl 2-ethylbutyrate	11	09.410	2029	2-Propenyl 2-ethylbutanoate; allyl 2-ethylbutanoate
12.	Allyl cyclohexaneacetate	12	09.482	2023	2-Propenylcyclohexaneacetate; allyl cyclohexane acetate

\*) Joint FAO/WHO Expert Committee On Food Additives

\*\*) EU Flavis database

\*\*\*) The Flavor and Extract Manufacturers Association

No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
13.	Allyl cyclohexanepropionate	13	09.498	2026	2-Propenyl cyclohexane propionate; allyl 3-cyclohexane propanoate
14.	Allyl cyclohexanebutyrate	14	09.411	2024	Allyl cyclohexyl butyrate; 2-propenyl 4-cyclohexane butanoate
15.	Allyl cyclohexanevalerate	15	09.469	2027	Allyl cyclohexyl valerate; 2-propenyl 5-cyclohexane pentanoate
16.	Allyl cyclohexanehexanoate	16	09.492	2025	Allyl cyclohexyl caproate; 2-propenyl 6-cyclohexane hexanoate
17.	Allyl phenylacetate	17	09.790	2039	Allyl alpha-toluate; 2-propenyl phenylacetate
18.	Allyl phenoxyacetate	18	09.701	2038	2-Propenyl phenoxyacetate
19.	Allyl cinnamate	19	09.741	2022	Propenyl cinnamate; vinyl carbonyl cinnamate; allyl beta-phenylacrylate; 2-propen-1-yl 3-phenyl-2-propenoate; 2-propenyl 3-phenyl-2-propenoate
20.	Allyl anthranilate	20	09.719	2020	2-Propenyl 2-aminobenzoate
21.	Allyl 2-furoate	21	13.004	2030	Allyl pyromucate; 2-propenyl furan-2-carboxylate
22.	Benzaldehyde	22	05.013	2127	Benzoic aldehyde; benzenecarboxaldehyde; benzenecarbinal; artificial almond oil; benzaldehyde
23.	Benzyl acetate	23	09.014	2135	Benzyl ethanoate
24.	Benzyl benzoate	24	09.727	2138	Benzyl benzenecarboxylate; benzyl phenylformate
25.	Benzyl alcohol****	25	02.010	2137	Phenyl carbinol; phenylmethanol; alpha-hydroxytoluene
26.	Ethyl formate	26	09.072	2434	-
27.	Ethyl acetate	27	09.001	2414	Ethyl ethanoate
28.	Ethyl propionate	28	09.121	2456	Ethylpropanoate

\*) Joint FAO/WHO Expert Committee On Food Additives

\*\*) EU Flavis database

\*\*\*) The Flavor and Extract Manufacturers Association

\*\*\*\*\*) Senyawa perisa yang juga berfungsi sebagai pelarut pengestraksi

No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
29.	Ethyl butyrate	29	09.039	2427	Ethyl butanoate
30.	Ethyl pentanoate	30	09.147	2462	Ethyl valerate
31.	Ethyl hexanoate	31	09.060	2439	Ethylcaproate
32.	Ethyl heptanoate	32	09.093	2437	Ethylloenanthate
33.	Ethyl octanoate	33	09.111	2449	Ethyl caprylate
34.	Ethyl nonanoate	34	09.107	2447	Ethylpelargonate
35.	Ethyl decanoate	35	09.059	2432	Ethylcaprate
36.	Ethyl undecanoate	36	09.274	3492	Ethylundecylate
37.	Ethyl dodecanoate	37	09.099	2441	Ethyllaurate
38.	Ethyl tetradecanoate	38	09.104	2445	Ethylmyristate
39.	Ethyl hexadecanoate	39	09.193	2451	Ethylpalmitate
40.	Ethyl octadecanoate	40	09.210	3490	Ethylstearate
41.	Ethanol****	41	02.078	2419	Ethylalcohol
42.	Isoamyl formate (3-Methylbutyl formate)	42	09.162	2069	3-Methylbutyl formate
43.	Isoamyl acetate	43	09.024	2055	Isoamyl ethanoate; 3-methylbutyl acetate; isopentyl acetate
44.	Isoamyl propionate	44	09.136	2082	Isoamyl propanoate; 3-methylbutyl propanoate; 3-methylbutyl propionate
45.	Isoamyl butyrate	45	09.055	2060	Isoamyl butanoate; 3-methylbutyl butanoate; 3-methylbutyl butyrate
46.	Isoamyl hexanoate	46	09.070	2075	Isoamyl caproate; 3-methylbutyl hexanoate
47.	Isoamyl octanoate	47	09.120	2080	Isoamyl caprylate; 3-methylbutyl octanoate
48.	Isoamyl nonanoate	48	09.110	2078	3-Methylbutylnonanoate; isoamyl nonylate
49.	Isoamyl isobutyrate	49	09.419	3507	Isoamyl 2-methyl propanoate; 3-methylbutyl 2-methyl propanoate
50.	Isoamyl isovalerate	50	09.463	2085	3-Methylbutyl 3-methylbutyrate; isoamyl isopentanoate; 3-methylbutyl 3-methylbutanoate
51.	Isoamyl 2-methylbutyrate	51	09.530	3505	Isoamyl 2-methyl butanoate; 3-methylbutyl 2-methylbutanoate
52.	Isoamyl alcohol (Isopentanol)	52	02.003	2057	Isopentanol; isobutyl carbinol; 3-methyl-1-butanol

\*) Joint FAO/WHO Expert Committee On Food Additives

\*\*) EU Flavis database

\*\*\*)The Flavor and Extract Manufacturers Association

\*\*\*\*)Senyawa perisa yang juga berfungsi sebagai pelarut pengekstraksi



No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
53.	Citronellyl formate	53	09.078	2314	3,7-Dimethyl-6-octen-1-yl formate
54.	Geranyl formate	54	09.076	2514	3,7-Dimethyl-2,6-octadien-1-yl formate
55.	Neryl formate	55	09.212	2776	2-cis-3,7-Dimethyl-2,6-octadien-1-yl formate
56.	Rhodinyl formate	56	09.079	2984	3,7-Dimethyl-7-octen-1-yl formate
57.	Citronellyl acetate	57	09.012	2311	3,7-Dimethyl-6-octen-1-yl acetate
58.	Geranyl acetate	58	09.011	2509	3,7-Dimethyl-2,6-octadien-1-yl acetate
59.	Neryl acetate	59	09.213	2773	cis-3,7-Dimethyl-2,6-octadien-1-yl acetate
60.	Rhodinyl acetate	60	09.033	2981	3,7-Dimethyl-7-octen-1-yl acetate
61.	Citronellyl propionate	61	09.129	2316	3,7-Dimethyl-6-octen-1-yl propionate
62.	Geranyl propionate	62	09.128	2517	3,7-Dimethyl-2,6-octadien-1-yl propionate
63.	Neryl propionate	63	09.169	2777	cis-3,7-Dimethyl-2,6-octadien-1-yl propanoate
64.	Rhodinyl propionate	64	09.141	2986	3,7-Dimethyl-7-octen-1-yl propionate
65.	Citronellyl butyrate	65	09.049	2312	3,7-Dimethyl-6-octen-1-yl butanoate
66.	Geranyl butyrate	66	09.048	2512	3,7-Dimethyl-2,6-octadien-1-yl butanoate
67.	Neryl butyrate	67	09.167	2774	cis-3,7-Dimethyl-2,6-octadien-1-yl butanoate
68.	Rhodinyl butyrate	68	09.927	2982	3,7-Dimethyl-7-octen-1-yl butanoate
69.	Citronellyl valerate	69	09.151	2317	3,7-Dimethyl-6-octen-1-yl pentanoate
70.	Geranyl hexanoate	70	09.067	2515	Geranyl caproate; trans-3,7-dimethyl-2,6-octadien-1-yl hexanoate

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
71.	Citronellyl isobutyrate	71	09.421	2313	3,7-Dimethyl-7-octen-1-yl isobutyrate; 3,7-dimethyl-6-octen-1-yl-2-methyl propanoate
72.	Geranyl isobutyrate	72	09.431	2513	3,7-Dimethyl-2,6-octadienyl-2-methyl propanoate
73.	Neryl isobutyrate	73	09.424	2775	2-cis-3,7-Dimethyl-2,6-octadien-1-yl isobutyrate; 2-cis-3,7-dimethyl-2,6-octadien-1-yl-2-methyl propionate
74.	Rhodinyl isobutyrate	74	09.940	2983	3,7-Dimethyl-7-octen-1-yl-2-methyl propanoate
75.	Geranyl isovalerate	75	09.453	2518	3,7-Dimethyl-2,6-octadienyl-3-methylbutanoate
76.	Neryl isovalerate	76	09.471	2778	cis-3,7-Dimethyl-2,6-octadien-1-yl-2-methylbutanoate
77.	Rhodinyl isovalerate	77	09.465	2987	3,7-Dimethyl-7-octen-1-yl-3-methylbutanoate
78.	Dimethyl-2,6-octadien-1-yl 2-ethylbutanoate (Geranylethylbutanoate)	78	09.515	3339	3,7-Dimethyl-2,6-octadien-1-yl-2-ethylbutanoate; geranyl 2-ethylbutyrate
79.	Formic acid	79	08.001	2487	-
80.	Acetaldehyde	80	05.001	2003	Acetic aldehyde; ethanal
81.	Acetic acid	81	08.002	2006	-
82.	Propyl alcohol****	82	02.002	2928	n-Propanol; 1-propanol; propane-1-ol
83.	Propionaldehyde	83	05.002	2923	Propanal
84.	Propionic acid	84	08.003	2924	Propanoic acid
85.	Butyl alcohol****	85	02.004	2178	1-Butanol; butan-1-ol
86.	Butyraldehyde	86	05.003	2219	Butanal; butyl aldehyde
87.	Butyric acid	87	08.005	2221	Butanoic acid
88.	Amyl alcohol	88	02.040	2056	Pentan-1-ol; 1-pentanol
89.	Valeraldehyde	89	05.005	3098	Pentanal; valeraldehyde
90.	Valeric acid	90	08.007	3101	Pentanoic acid
91.	Hexyl alcohol	91	02.005	2567	1-Hexanol; alcohol C-6; hexan-1-ol

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
92.	Hexanal	92	05.008	2557	Hexaldehyde;aldehyde C-6;caproic aldehyde
93.	Hexanoic acid	93	08.009	2559	Caproic acid
94.	Heptyl alcohol	94	02.021	2548	1-Heptanol; alcohol C-7; 1-heptanol; heptan-1-ol
95.	Heptanal	95	05.031	2540	Heptaldehyde;aldehyde C-7
96.	Heptanoic acid	96	08.028	3348	Enanthic acid;heptoic acid
97.	1-octanol	97	02.006	2800	Alcohol C-8;capryl alcohol;octyl alcohol
98.	Octanal	98	05.009	2797	Caprylic aldehyde;aldehyde C-8
99.	Octanoic acid	99	08.010	2799	Caprylicacid
100.	Nonyl alcohol	100	02.007	2789	Nonan-1-ol; pelargonic alcohol;alcohol C-9; 1-nonanol
101.	Nonanal	101	05.025	2782	Aldehyde C-9;pelargonicaldehyde
102.	Nonanoic acid	102	08.029	2784	-
103.	1-Decanol	103	02.024	2365	Decan-1-ol; alcohol C-10;decyl alcohol
104.	Decanal	104	05.010	2362	AldehydeC-10;capraldehyde
105.	Decanoic acid	105	08.011	2364	Capricacid
106.	Undecyl alcohol	106	02.057	3097	Undecan-1-ol; 1-undecanol; alcohol C-11
107.	Undecanal	107	05.034	3092	Aldehyde C-11 undecyclic; n-undecyl aldehyde
108.	Undecanoic acid	108	08.042	3245	n-Undecylicacid
109.	Lauryl alcohol (dodecan-1-ol)	109	02.008	2617	1-Dodecanol; alcohol C-12; dodecan-1-ol
110.	Lauric aldehyde (dodecanal)	110	05.011	2615	Aldehyde C-12; lauryl aldehyde; dodecanal
111.	Lauric acid (dodecanoic acid)	111	08.012	2614	Dodecanoic acid
112.	Myristaldehyde	112	05.032	2763	Tetradecanal; aldehyde C-14
113.	Myristic acid	113	08.016	2764	Tetradecanoic acid
114.	1-Hexadecanol	114	02.009	2554	Alcohol C-16; 1-hexadecanol
115.	Palmitic acid	115	08.014	2832	Hexadecanoic acid
116.	Stearic acid	116	08.015	3035	Octadecanoic acid
117.	Propyl formate	117	09.073	2943	Octadecanoic acid; propyl methanoate
118.	Butyl formate	118	09.163	2196	-

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
119.	N-amyl formate	119	09.159	2068	Pentyl formate
120.	Hexyl formate	120	09.161	2570	-
121.	Heptyl formate	121	09.074	2552	-
122.	Octyl formate	122	09.075	2809	-
123.	Cis-3-Hexenyl formate	123	09.240	3353	3-Hexenyl methanoate; cis-3-hexen-1-yl formate; hex-3(cis)-enyl formate
124.	Isobutyl formate	124	09.164	2197	2-Methylpropylformate; tetryl formate
125.	Methyl acetate	125	09.023	2676	-
126.	Propyl acetate	126	09.002	2925	n-Propyl acetate
127.	Butyl acetate	127	09.004	2174	n-Butylacetate
128.	Hexyl acetate	128	09.006	2565	-
129.	Heptyl acetate	129	09.022	2547	-
130.	Octyl acetate	130	09.007	2806	-
131.	Nonyl acetate	131	09.008	2788	-
132.	Decyl acetate	132	09.009	2367	Acetate C-10
133.	Lauryl acetate	133	09.010	2616	Dodecyl acetate; acetate C-12
134.	cis-3-Hexenyl acetate	134	09.197	3171	cis-3-Hexeny-1-ylacetate; hex-3(cis)-enyl acetate
135.	trans-3-Heptenyl acetate	135	09.275	3493	trans-3-Hepten-1-ylacetate; hept-3(trans)-enyl acetate
136.	10-Undecen-1-yl acetate	136	09.214	3096	Acetate C-11; undec-10-enyl acetate
137.	Isobutyl acetate	137	09.005	2175	2-Methylpropylacetate
138.	2-Methylbutyl acetate	138	09.286	3644	2-Methyl-1-butylacetate
139.	Acetone	139	07.050	3326	Dimethyl keton; propan-2-one; dimethyl ketone
140.	2-Ethylbutyl acetate	140	09.025	2425	2-Ethylbutylacetate
141.	Methyl propionate	141	09.134	2742	Methylpropanoate
142.	Propyl propionate	142	09.122	2958	n-Propylpropanoate
143.	Butyl propionate	143	09.124	2211	Butylpropanoate
144.	Hexyl propionate	144	09.139	2576	n-Hexylpropanoate
145.	Octyl propionate	145	09.126	2813	Octylpropanoate
146.	Decyl propionate	146	09.127	2369	Decylpropanoate
147.	cis-3- and trans-2-Hexenyl propionate	147	-	3778	-
148.	Isobutyl propionate	148	09.125	2212	2-Methylpropylpropanoate
149.	Methyl butyrate	149	09.038	2693	Methylbutanoate
150.	Propyl butyrate	150	09.040	2934	n-Propyl-n-butanoate
151.	Butyl butyrate	151	09.042	2186	n-Butyl-n-butanoate
152.	n-Amyl butyrate	152	09.044	2059	Pentylbutanoate; pentyl butyrate
153.	Hexyl butyrate	153	09.045	2568	Hexylbutanoate

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154.	Heptyl butyrate	154	09.166	2549	Heptylbutanoate
155.	Octyl butyrate	155	09.046	2807	Octyl-n-butyrat
156.	Decyl butyrate	156	09.047	2368	-
157.	cis-3-Hexenyl butyrate	157	09.270	3402	cis-3-Hexen-1-ylbutanoate; leaf butyrate; hex-3-enyl butyrat
158.	Isobutyl butyrate	158	09.043	2187	2-Methylpropylbutanoate
159.	Methyl valerate	159	09.182	2752	Methylpentanoate
160.	Butyl valerate	160	09.148	2217	Butylpentanoate
161.	Propyl hexanoate	161	09.061	2949	Propyl caproate
162.	Butyl hexanoate	162	09.063	2201	Butylcaproate
163.	n-Amyl hexanoate	163	09.065	2074	Pentylhexanoate; amyl caproate
164.	Hexyl hexanoate	164	09.066	2572	Hexylcaproate
165.	cis-3-Hexenyl hexanoate	165	09.271	3403	cis-3-Hexen-1-olhexanoate; cis-3-hexenyl caproate; hex-3-enyl hexanoate
166.	Isobutyl hexanoate	166	09.064	2202	2-Methylpropylhexanoate; isobutyl caproate
167.	Methyl heptanoate	167	09.096	2705	Methyl heptoate
168.	Propyl heptanoate	168	09.095	2948	Propylheptoate
169.	Butyl heptanoate	169	09.091	2199	Butylheptoate; butylheptylate
170.	n-Amyl heptanoate	170	09.098	2073	Pentylheptanoate
171.	Octyl heptanoate	171	09.094	2810	Heptanoic acid; octylester; octyl heptoate
172.	Isobutyl heptanoate	172	09.092	2200	2-Methylpropyl heptanoate; isobutyl heptoate
173.	Methyl octanoate	173	09.117	2728	Methyl caprylate
174.	n-Amyl octanoate	174	09.112	2079	Pentyl octanoate; amyl caprylate
175.	Hexyl octanoate	175	09.113	2575	Hexylcaprylate
176.	Heptyl octanoate	176	09.118	2553	Heptylcaprylate
177.	Octyl octanoate	177	09.114	2811	Octylcaprylate
178.	Nonyl octanoate	178	09.115	2790	Nonylcaprylate
179.	Methyl nonanoate	179	09.108	2724	-
180.	Methyl laurate	180	09.101	2715	Methyldodecanoate
181.	Butyl laurate	181	09.100	2206	Butyldodecanoate
182.	Isoamyl laurate	182	09.103	2077	3-Methylbutyldodecanoate; isopentyl laurate
183.	Methyl myristate	183	09.106	2722	Methyl n-tetradecanoate; methyl tetradecanoate
184.	Butyl stearate	184	09.246	2214	Butyloctadecanoate

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<sup>\*\*</sup>) EU Flavis database

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185.	Methyl isobutyrate	185	09.412	2694	Methyl2-methylpropanoate
186.	Ethyl isobutyrate	186	09.413	2428	Ethyl2-methylpropanoate
187.	Propyl isobutyrate	187	09.414	2936	n-Propyl2-methylpropanoate
188.	Butyl isobutyrate	188	09.416	2188	Butyl2-methylpropanoate
189.	Hexyl isobutyrate	189	09.478	3172	Hexyl2-methylpropanoate
190.	Heptyl isobutyrate	190	09.420	2550	Heptyl2-methylpropanoate
191.	Trans-3-Heptenyl 2-methylpropanoate	191	-	3494	-
192.	Octyl isobutyrate	192	09.473	2808	Octyl2-methylpropanoate
193.	Dodecyl isobutyrate	193	09.523	3452	Dodecyl-2-methylpropanoate
194.	Isobutyl isobutyrate	194	09.417	2189	2-Methylpropyl2-methylpropanoate
195.	Methyl isovalerate	195	09.462	2753	Methyl3-methylbutanoate
196.	Ethyl isovalerate	196	09.447	2463	Ethyl3-methylbutanoate
197.	Propyl isovalerate	197	09.448	2960	Propyl3-methylbutanoate; n-propyl methylbutyrate
198.	Butyl isovalerate	198	09.449	2218	Butyl3-methylbutanoate
199.	Hexyl 3-methylbutanoate	199	09.529	3500	Hexyl3-methylbutanoate; hexyl isovalerate
200.	Octyl isovalerate	200	09.451	2814	Octyl3-methylbutanoate
201.	Nonyl isovalerate	201	09.452	2791	Nonyl3-methylbutanoate
202.	3-Hexenyl 3-methylbutanoate	202	09.505	3498	3-Hexenyl3-methylbutanoate; cis-3-hexenyl isovalerate; hex-3-enyl isovalerate
203.	2-Methylpropyl 3-methylbutyrate	203	09.472	3369	2-Methylpropyl3-methylbutanoate; isobutyl isovalerate
204.	2-Methylbutyl 3-methylbutanoate	204	09.531	3506	2-Methylbutyl-3-methylbutanoate; 2-methylbutyl isovalerate
205.	Methyl 2-methylbutyrate	205	09.483	2719	Methyl2-methylbutanoate
206.	Ethyl 2-methylbutyrate	206	09.409	2443	Ethyl-2-methylbutanoate
207.	n-Butyl 2-methylbutyrate	207	09.519	3393	Butyl-2-methylbutanoate; butyl 2-methylbutyrate
208.	Hexyl 2-methylbutanoate	208	09.507	3499	Hexyl 2-methylbutyrate
209.	Octyl 2-methylbutyrate	209	09.537	3604	Octyl-2-methylbutanoate
210.	Isopropyl 2-methylbutyrate	210	09.547	3699	1-Methylethyl-2-methylbutanoate
211.	3-Hexenyl 2-	211	09.854	3497	3-Hexenylethyl-2-

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	methylbutanoate				methylbutanoate; hex-3-enyl 2-methylbutyrate
212.	2-Methylbutyl 2-methylbutyrate	212	09.516	3359	2-Methylbutyl 2-methylbutanoate
213.	Methyl 2-methylpentanoate	213	09.549	3707	Methyl 2-methylvalerate
214.	Ethyl 2-methylpentanoate	214	-	3488	-
215.	Ethyl 3-methylpentanoate	215	09.541	3679	Ethyl 3-methylvalerate
216.	Methyl 4-methylvalerate	216	09.432	2721	Methylisobutylacetate
217.	trans-Anethole	217	-	2086	1-Methoxy-4-(prop-1(trans)-enyl)benzene; trans-methoxy-4(1-propenyl)benzene; isoestragole
218.	Citric acid	218	-	-	2-Hydroxy-1,2,3-propane-tricarboxylic acid, Monohydrate
219.	4-Hydroxybutyric acid lactone	219	10.006	3291	4-Butanolide; dihydro-2(3H)-furanone; gamma-butyrolactone; butyrolactone
220.	gamma-Valerolactone	220	10.013	3103	4-Pentanolide; 5-methyldihydro-2(3H)-furanone; penta-1,4-lactone; pentano-1,4-lactone
221.	4-Hydroxy-3-pentenoic acid lactone	221	-	3293	3-Penten-4-olide; 5-methyl-2(3H)-furanone; alpha-angelica lactone; pent-3-en-1,4-lactone; 5-methylfuran-2(3H)-one
222.	5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone	222	10.023	3153	2-Hydroxy-3-methyl-2-hexen-4-olide; 5-ethyl-3-hydroxy-4-methyl-2(5H)-furanone; 5-Ethyl-3-hydroxy-4-methylfuran-2(5H)-one
223.	gamma-Hexalactone	223	10.021	2556	Hexa-1,4-lactone; 4-hydroxyhexanoic acid lactone; 4-hexanolide; 5-ethylidihydro-2(3H)-furanone; hexano-1,4-lactone
224.	delta-Hexalactone	224	10.010	3167	5-Hexanolide; 6-methyltetrahydro-2-pyrone; 5-

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					hydroxyhexanoic acid lactone; hexano-1,5-lactone
225.	gamma-Heptalactone	225	10.020	2539	4-Heptanolide;5-propyldihydro-2(3H)-furanone; hepta-1,4-lactone; heptano-1,4-lactone
226.	gamma-Octalactone	226	10.022	2796	4-Octanolide;5-butyldihydro-2(3H)-furanone; octa-1,4-lactone; octano-1,4-lactone
227.	4,4-Dibutyl-gamma-butyrolactone	227	10.018	2372	4-Butyloctano-1,4-lactone; 4-butyl-4-octanolide;5,5-dibutyldihydro-2(3H)-furanone; 4-Butyl-4-hydroxyoctanoic acid lactone
228.	delta-Octalactone	228	10.015	3214	5-Octanolide;6-propyltetrahydro-2-pyrone; 5-hydroxyoctanoic acid lactone; octa-1,5-lactone; octano-1,5-lactone
229.	gamma-Nonalactone	229	10.001	2781	Nonano-1,4-lactone 4-nonanolide;5-pentyldihydro-2(3H)-furanone; nona-1,4-lactone; aldehyde C-18
230.	Hydroxynonanoic acid delta-lactone	230	10.014	3356	5-Nonanolide;6-butyltetrahydro-2-pyrone; delta-nonalactone; nona-1,5-lactone; nonano-1,5-lactone
231.	gamma-Decalactone	231	10.017	2360	4-Decanolide;5-hexyldihydro-2(3H)-furanone; 4-hydroxydecanoic acid lactone; deca-1,4-lactone; decano-1,4-lactone
232.	delta-Decalactone	232	10.007	2361	5-Decanolide;6-Pentyltetrahydro-2-pyrone; deca-1,5-lactone; decano-1,5-lactone
233.	gamma-Undecalactone	233	10.002	3091	4-Undecanolide;5-heptyldihydro-2(3H)-furanone; aldehyde c-14

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					pure (so-called); peach aldehyde; undeca-1,4-lactone; undecano-1,4-lactone
234.	5-Hydroxyundecanoic acid lactone	234	10.011	3294	5-Undecanolide;6-hexyltetrahydro-2-pyrone; delta-undecalactone; undeca-1,5-lactone; undecano-1,5-lactone
235.	gamma-Dodecalactone	235	10.019	2400	4-Dodecanolide;5-octyldihydro-2(3H)-furanone; dodeca-1,4-lactone; dodecano-1,4-lactone
236.	delta-Dodecalactone	236	10.008	2401	5-Dodecanolide;6-heptyltetrahydro-2-pyrone; dodeca-1,5-lactone; dodecano-1,5-lactone
237.	6-Hydroxy-3,7-dimethyloctanoic acid lactone	237	10.027	3355	3,7-Dimethyl-6-octanolide;4-methyl-7-(1-methylethyl)-2-oxooxacycloheptane; 3,7-dimethylocta-1,6-lactone
238.	delta-Tetradecalactone	238	10.016	3590	4-Tetradecanolide;6-nonyltetrahydro-2-pyrone; tetradeca-1,5-lactone; tetradecano-1,5-lactone
239.	omega-Pentadecalactone	239	10.004	2840	15-Pentadecanolide;oxacyclohexadecan-2-one; pentadeca-1,5-lactone; angelica lactone; pentadecano-1,15-lactone
240.	omega-6-Hexadecenlactone	240	10.003	2555	6-Hexadecenolide;oxacycloheptadec-7-en-2-one; ambrettolide; hexadec-6-eno-1,16-lactone
241.	epsilon-Decalactone	241	10.029	3613	6-Decanolide;7-butyl-2-oxooxacycloheptane; deca-1,6-lactone; decano-1,6-lactone
242.	epsilon-Dodecalactone	242	10.028	3610	6-Dodecanolide;7-Hexyl-2-oxooxacycloheptane; dodeca-1,6-lactone; dodecano-1,6-lactone

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
243.	4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one	243	10.030	3634	2-Hydroxy-3-methyl-2-penten-4-olide; 3-hydroxy-4,5-dimethyl-2(5)-furanone; 2,3-dimethyl-4-hydroxy-2,5-dihydrofuran-5-one; 3-hydroxy-4,5-dimethylfuran-2(5H)-one

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
244.	3-Heptyldihydro-5-methyl-2(3H)-furanone	244	10.026	3350	3-Heptyl-4-pentanolide;3-epityldihydro-5-methyl-2(3H)-furanone
245.	5-Hydroxy-2,4-decadienoic acid delta-lactone	245	10.031	3696	2,4-Decadien-5-olide;6-pentyl-2-pyrone; pentyl-alpha-pyrone; 6-pentyl-2H-pyran-2-one
246.	5-Hydroxy-2-decenoic acid delta-lactone	246	10.037	3744	2-Decen-5-olide;6-pentyl-5,6-dihydro-2-pyrone; 2-decene-1,5-lactone
247.	5-Hydroxy-7-decenoic acid delta-lactone	247	10.033	3745	7-Decen-5-olide;6-pentyltetrahydro-2-pyrone; 7-decene-1,5-lactone; jasmine lactone; dec-7-eno-1,5-lactone
248.	5-Hydroxy-8-undecenoic acid delta-lactone	248	10.035	3758	8-Undecen-5-olide;6-hexyltetrahydro-2-pyrone; undec-8-eno-1,5-lactone
249.	cis-4-Hydroxy-6-dodecenoic acid lactone	249	10.009	3780	5-(cis-2-Octenyl)dihydro-2(3h)-furanone; dodec-6-en-1,4-lactone; dodec-6-eno-1,4-lactone
250.	gamma-Methyldecalactone	250	10.051	3786	4-Methyl-4-decanolide;5-hexyldihydro-5-methyl-2(3H)-furanone; 5-hexyl-5-methyldihydrofuran-2(3H)-one
251.	Isobutyl alcohol****	251	02.001	2179	2-Methylpropanol; isobutanol; 2-methylpropan-1-ol
252.	Isobutyraldehyde	252	05.004	2220	2-Methylpropanal
253.	Isobutyric acid	253	08.006	2222	2-methylpropionicacid; isopropyl formic acid
254.	2-Methylbutyraldehyde	254	05.049	2691	2-Methylbutanal
255.	2-Methylbutyric acid	255	08.046	2695	-
256.	2-Ethylbutyraldehyde	256	05.007	2426	2-Ethylbutanal
257.	2-Ethylbutyric acid	257	08.045	2429	-
258.	3-Methylbutyraldehyde	258	05.006	2692	3-Methylbutanal; isovaleraldehyde
259.	Isovaleric acid	259	08.008	3102	3-Methylbutyric acid

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
260.	2-Methylpentanal	260	05.069	3413	2-Methylvaleraldehyde; isovaleric acid
261.	2-Methylvaleric acid	261	08.031	2754	2-Methylpentanoic acid
262.	3-Methylpentanoic acid	262	08.056	3437	3-Methylvaleric acid
263.	3-Methyl-1-pentanol	263	02.115	3762	3-Methylpentan-1-ol
264.	4-Methylpentanoic acid	264	08.057	3463	4-Methylvaleric acid
265.	2-Methylhexanoic acid	265	08.035	3191	2-Methylcaproic acid; 2-butylpropionic acid
266.	5-Methylhexanoic acid	266	08.061	3572	-
267.	2-Ethyl-1-hexanol	267	02.082	3151	2-Ethylhexanol; 2-ethylhexan-1-ol
268.	3,5,5-Trimethyl-1-hexanol	268	02.055	3324	3,5,5-Trimethylhexanol; 3,5,5-trimethylhexan-1-ol
269.	3,5,5-Trimethylhexanal	269	05.116	3524	-
270.	2-Methyloctanal	270	05.024	2727	Methyl hexyl acetaldehyde
271.	4-Methyloctanoic acid	271	08.063	3575	Isononanoic acid
272.	3,7-Dimethyl-1-octanol	272	02.026	2391	Tetrahydrogeraniol; 3,7-dimethyloctanol; 3,7-dimethyloctan-1-ol
273.	2,6-Dimethyloctanal	273	05.023	2390	2,6-Dimethyloctanoic aldehyde; isodecylaldehyde; isodecinal
274.	4-Methylnonanoic acid	274	08.062	3574	Isodecanoic acid
275.	2-Methylundecanal	275	-	2749	Aldehyde C-12; methylundecylaldehyde
276.	Isopropyl alcohol****	277	02.079	2929	Propan-2-ol; isopropanol
277.	2-Butanone	278	07.053	2170	Butan-2-one; ethylmethylketone
278.	2-Pentanone	279	07.054	2842	Pentan-2-one; methylpropylketone
279.	2-Pentanol	280	02.088	3316	Pentan-2-ol; sec-amylalcohol
280.	3-Hexanone	281	07.096	3290	Hexan-3-one; ethylpropylketone

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
281.	3-Hexanol	282	02.089	3351	Hexan-3-ol; ethylpropylcarbinol
282.	2-Heptanone	283	07.002	2544	Heptan-2-one; methylamylketone
283.	2-Heptanol	284	02.045	3288	2-Hydroxyheptane; N- amylmethylcarbinol; heptan-2-ol
284.	3-Heptanone	285	07.003	2545	Heptan-3-one; butylethylketone
285.	3-Heptanol	286	02.044	3547	Heptan-3-ol; butylethylcarbinol
286.	4-Heptanone	287	07.058	2546	Heptan-4-one; dipropylketone
287.	2-Octanone	288	07.019	2802	Octan-2-one; hexylmethylketone
288.	2-Octanol	289	02.022	2801	Octan-2-ol; hexylmethylcarbinol
289.	3-Octanone	290	07.062	2803	Octan-3-one; amylethylketone
290.	3-Octanol	291	02.098	3581	Octan-3-ol
291.	2-Nonanone	292	07.020	2785	Nonan-2-one; heptylmethylketone
292.	2-Nonanol	293	02.087	3315	Nonan-2-ol; N- heptylmethylcarbinol
293.	3-Nonanone	294	07.113	3440	Nonan-3-one; ethylhexylketone
294.	3-Decanol	295	02.103	3605	Decan-3-ol; ethylheptylcarbinol; nonan-3-one
295.	2-Undecanone	296	07.016	3093	Undecan-2-one; methylnonylketone
296.	2-Undecanol	297	02.086	3246	Undecan-2-ol; methylnonylcarbinol
297.	2-Tridecanone	298	07.103	3388	Tridecan-2-one; methylundecylketone
298.	2-Pentadecanone	299	07.137	3724	Pentadecan-2-one; methyltridecylketone
299.	3-Methyl-2-Butanol	300	02.111	3703	3-Methylbutan-2-ol; isopropylmethylcarbinol
300.	4-Methyl-2-Pentanone	301	07.017	2731	4-Methylpentan-2-one; methylisobutylketone;MI BK
301.	2,6-Dimethyl-4-Heptanone	302	07.122	3537	2,6-Dimethylheptan-4- one; diisobutylketone
302.	2,6-Dimethyl-4-heptanol	303	02.081	3140	4-Hydroxy-2,6-dimethyl heptanol; diisobutylcarbinol; 2,6- dimethylheptan-4-ol

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
303.	Isopropyl formate	304	09.165	2944	Isopropylmethanoate
304.	Isopropyl acetate	305	09.003	2926	-
305.	Isopropyl propionate	306	09.123	2959	-
306.	Isopropyl butyrate	307	09.041	2935	Isopropylbutanoate
307.	Isopropyl hexanoate	308	09.062	2950	Isopropylcaproate
308.	Isopropyl isobutyrate	309	09.415	2937	Isopropyl 2-methylpropanoate; isopropyl 2-methylpropanoate
309.	Isopropyl isovalerate	310	09.450	2961	Isopropyl 3-methylbutanoate; isopropylisopentanoate
310.	Isopropyl myristate	311	09.105	3556	Isopropyl tetradecanoate; tetradecanoic acid
311.	Isopropyl tiglate	312	09.513	3229	Isopropyl 2-methyl-2-butenoate; isopropyl-alpha-methylcrotonate; isopropyl 2-methylcrotonate
312.	3-Octyl acetate	313	09.254	3583	1-Ethylhexyl acetate
313.	4-Pentenoic acid	314	08.048	2843	Pent-4-enoic acid; allylacetic acid
314.	cis-3-Hexen-1-ol	315	02.056	2563	(z)-Hex-3-enol; greenleafalcohol; hex-3(cis)-en-1-ol
315.	cis-3-Hexenal	316	05.075	2561	(z)-Hex-3-enal; hex-3(cis)-enal
316.	3-Hexenoic acid	317	08.050	3170	Hex-3-enoic acid; hydrosorbic acid
317.	4-Hexen-1-ol	318	02.074	3430	4-Hexenyl alcohol; hex-4-enylalcohol; hex-4-en-1-ol
318.	cis-4-Hexenal	319	05.113	3496	(z)-Hex-4-enal; hex-4-enal
319.	cis-4-Heptenal	320	05.085	3289	(z)-Hept-4-en-1-al; hept-4-enal
320.	cis-3-Octen-1-ol	321	02.094	3467	(z)-Oct-3-en-1-ol; oct-3-en-1-ol
321.	cis-5-Octen-1-ol	322	02.113	3722	(z)-Oct-5-en-1-ol; oct-5(cis)-en-1-ol
322.	cis-5-Octenal	323	05.128	3749	(z)-Oct-5-enal; oct-5(cis)-enal
323.	cis-6-Nonen-1-ol	324	02.093	3465	(z)-Non-6-en-1-ol; non-6-en-1-ol
324.	cis-6-Nonenal	325	05.059	3580	(z)-Non-6-en-1-al; non-6(cis)-enal
325.	4-Decenal	326	05.096	3264	-
326.	5- and 6-Decenoic acid (mixture)	327	08.068	3742	Dec-(5- and 6)-enoic acid

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327.	9-Decenoic acid	328	08.065	3660	Dec-9-enoicacid
328.	9-Undecenal	329	05.036	3094	Undec-9-en-1-al; aldehyde C-11; undecylenaldehyde; undec-9-enal
329.	10-Undecenal	330	05.035	3095	Undec-10-en-1-al; undec-10-enal
330.	10-Undecenoic acid	331	08.039	3247	Undecyl-10-enic acid; undec-10-enoic acid
331.	Linoleic and linolenic acid (mixture)	332	08.041	3380	(9z,12z)-Octadeca-9,12-dienoicacidandoctadeca-9,12,15-trienoicacid; octadeca-9,12-dienoic acid
332.	Oleic acid	333	08.013	2815	(z)-Octadeca-9-enoicacid
333.	Methyl 3-hexenoate	334	09.267	3364	Methylhex-3-enoate
334.	Ethyl 3-hexenoate	335	09.191	3342	Ethylhex-3-enoate; hydrosorbic acid, ethyl ester
335.	cis-3-Hexenyl cis-3-hexenoate	336	09.291	3689	(z)-Hex-3-enyl(z)-hex-3-enoate; hex-3-enyl hex-3-enoate
336.	Methyl cis-4-octenoate	337	09.268	3367	(z)-Methyloct-4-enoate; methyl oct-4(cis)-enoate
337.	Ethyl cis-4-octenoate	338	09.265	3344	(z)-Ethyloct-4-enoate; ethyl oct-4-enoate
338.	Ethyl cis-4,7-octadienoate	339	09.290	3682	Ethyl(z)-octa-4,7-dienoate; ethyl octa-4,7-dienoate
339.	Methyl 3-nonenoate	340	09.298	3710	Methyl non-3-enoate
340.	Ethyl trans-4-decenoate	341	09.284	3642	Ethyl(e)-4-decenoate; ethyl dec-4-enoate
341.	Methyl 9-undecenoate	342	09.236	2750	Methylundec-9-enoate; methyl undecylenate
342.	Ethyl 10-undecenoate	343	09.237	2461	Ethylundec-10-enoate; ethyl undecylenate
343.	Butyl 10-undecenoate	344	09.238	2216	Butylundec-10-enoate, butyl undecylenate
344.	Ethyl oleate	345	09.192	2450	Ethyl octadec-9-enoate
345.	Methyl linoleate and methyl linolenate (mixture)	346	09.645	3411	Methyloctadeca-9,12-dienoateandmethyloctadeca-9,12,15-trienoate; mixture of methyl linoleate and methyl linolenate
346.	Methyl-3-pentenoic acid	347	08.058	3464	2-Methylpent-3-enoate; 2-methylpent-3-enoic acid
347.	2,6-Dimethyl-6-hepten-1-ol	348	02.110	3663	2,6-Dimethylhept-7-en-1-ol; alpha-melonol; 2,6-

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					dimethylhept-6-en-1-ol
348.	2,6-Dimethyl-5-heptenal	349	05.074	2389	2,6-Dimethylhept-5-en-1-al; melonal; 2,6-dimethylhept-5-enal
349.	Ethyl 2-methyl-3-pentenoate	350	09.524	3456	Ethyl2-methylpent-3-enoate
350.	Ethyl 2-methyl-4-pentenoate	351	09.527	3489	Ethyl2-methylpent-4-enoate
351.	Hexyl 2-methyl-3-and 4-pentenoate (mixture)	352	09.546	3693	Hexyl-2-methylpent-(3 and 4)-enoate
352.	Ethyl 2-methyl-3,4-pentadienoate	353	09.540	3678	Ethyl2-methylpenta-3,4-dienoate
353.	Methyl 3,7-dimethyl-6-octenoate	354	09.517	3361	Methyl3,7-dimethyloct-6-enoate; methyl citronellate
354.	2-methyl-4-pentenoic acid	355	08.059	3511	2-Methylpent-4-enoate; 2-methylpent-4-enoic acid
355.	Linalool	356	02.013	2635	3,7-Dimethylocta-1,6-dien-3-ol; coriandrol; licareol; linalol; dl-linalool
356.	Tetrahydrolinalool	357	02.028	3060	3,7-Dimethyloctan-3-ol
357.	Linalyl formate	358	09.080	2642	1,5-Dimethyl-1-ethenylhex-4-enylformate; 3,7-dimethylocta-1,6-dien-3-yl formate; linalool formate; 3,7-dimethyl-1,6-octadien-3-yl formic acid ester
358.	Linalyl acetate	359	09.013	2636	1,5-Dimethyl-1-ethenylhex-4-enylacetate; 3,7-dimethylocta-1,6-dien-3-yl acetate; bergamol; licareol acetate; linalool acetate
359.	Linalyl propionate	360	09.130	2645	1,5-Dimethyl-1-ethenylhex-4-enylpropionate; 3,7-dimethyl-1,6-octadien-3-yl propionate
360.	Linalyl butyrate	361	09.050	2639	1,5-Dimethyl-1-ethenylhex-4-enylbutyrate; 3,7-

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					dimethylocta-1,6-dien-3-yl butyrate
361.	Linalyl isobutyrate	362	09.423	2640	1,5-Dimethyl-1-ethenylhex-4-enyl-3-methylpropionate; 3,7-dimethylocta-1,6-dien-3-yl isobutyrate; linalool isobutyrate; linalyl 3-methylpropionate
362.	Linalyl isovalerate	363	09.454	2646	1,5-Dimethyl-1-ethenylhex-4-enyl-3-methylbutyrate; 3,7-dimethylocta-1,6-dien-3-yl isovalerate; linalyl isopentanoate; linalyl 3-methylbutyrate
363.	Linalyl hexanoate	364	09.068	2643	1,5-Dimethyl-1-ethenylhex-4-enylhexanoate; 3,7-dimethylocta-1,6-dien-3-yl hexanoate; linalyl capronate; linalyl caproate; linalyl hexoate; linalyl hexylate
364.	Linalyl octanoate	365	09.116	2644	1,5-Dimethyl-1-ethenylhex-4-enyloctanoate; 3,7-dimethyl-1,6-octadien-3-yl octanoate; linalyl caprylate; linalyl octoate; linalyl octylate
365.	alpha-Terpineol	366	02.014	3045	p-Menth-1-en-8-ol; 1-menthen-8-ol
366.	Terpinyl formate	367	09.081	3052	p-Menth-1-en-8-ylformate; alpha-terpinyl formate
367.	Terpinyl acetate	368	09.830	3047	p-Menth-1-en-8-ylacetate; p-menth-1-en-8-ol acetate; menthen-1-yl-8 acetate; terpineol acetate
368.	Terpinyl propionate	369	09.142	3053	p-Menth-1-en-8-ylpropionate; menthen-1-yl-8-ate; p-menth-1-en-8-ol propionate
369.	Terpinyl butyrate	370	09.052	3049	p-Menth-1-en-8-ylbutyrate
370.	Terpinyl isobutyrate	371	09.425	3050	p-Menth-1-en-8-ylisobutyrate; terpinyl 2-methylpropionate
371.	Terpinyl isovalerate	372	09.461	3054	p-Menth-1-en-8-

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					ylisovalerate; terpinyl isopentanoate; p-menth-1-en-8-yl isopentanoate; p-menth-1-en-8-yl 3-methylbutyrate
372.	p-Menth-3-en-1-ol	373	02.096	3563	p-Menth-3-en-1-ol; terpinen-1-ol; 1-terpinenol
373.	p-Menth-8-en-1-ol	374	02.097	3564	4-Isopropenyl-1-methyl-1-cyclohexanol; beta-terpineol
374.	p-Menthan-2-one	375	07.092	3176	Carvomenthone
375.	p-Menthan-2-ol	376	02.071	3562	Carvomenthol
376.	Dihydrocarvone	377	07.128	3565	p-Menth-8-en-2-one
377.	Dihydrocarveol	378	02.061	2379	p-Menth-8(9)-en-2-ol
378.	Dihydrocarvyl acetate	379	09.216	2380	p-Menth-8-en-2-ylacetate; p-menth-8(9)-en-2-yl acetate
379.	d-Carvone	380.1	07.146	2249	p-Mentha-6,8-dien-2-one; d-carvone; dextro-carvone
380.	l-Carvone	380.2	07.147	2249	p-Mentha-6,8-dien-2-one; l-carvone; laevo-carvone
381.	Carveol	381	02.062	2247	p-Mentha-6,8-dien-2-ol
382.	Carvyl acetate	382	09.215	2250	p-Mentha-6,8-dien-2-ylacetate
383.	Carvyl propionate	383	09.143	2251	1-p-Mentha-6,8-dien-2-ylpropionate
384.	Beta-damascone	384	07.083	3243	1-(2,6,6-Trimethyl-1-cyclohexenyl)-2-buten-1-one; 4-(2,6,6-trimethylcyclohex-1-enyl)but-2-en-4-one; dorinone; damasione; dihydro floriffone b
385.	Alpha-damascone	385	07.134	3659	1-(2,6,6-Trimethyl-2-cyclohexenyl)-2-buten-1-one; 4-(2,6,6-trimethyl-2-cyclohexenyl)-2-buten-4-one; 4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-but-2-en-4-one; dihydro floriffo
386.	Delta-damascone	386	07.130	3622	1-(2,6,6-Trimethyl-3-cyclohexenyl)-2-buten-1-one; 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one; dihydro floriffone TD
387.	Damascenone	387	07.108	3420	1-(2,6,6-Trimethyl-1,3-

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					cyclohexadienyl)-2-buten-1-one; 4-(2,6,6-trimethylcyclohexa-1,3-dienyl)but-2-en-4-one; floriffone; beta-damascenone
388.	alpha-Ionone	388	07.007	2594	4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-buten-2-one; alpha-cyclocitrylideneacetone
389.	beta-Ionone	389	07.008	2595	4-(2,6,6-Trimethyl-1-cyclohexenyl)-3-buten-2-one; beta-cyclocitrylideneacetone
390.	Ionone	390	07.091	3175	4-(2,2-Dimethyl-6-methylenecyclohexyl)-3-buten-2-one; gamma-Ionone
391.	alpha-Ionol	391	02.105	3624	4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-buten-2-ol
392.	beta-Ionol	392	02.106	3625	4-(2,6,6-Trimethyl-1-cyclohexenyl)-3-butene-2-ol; 4-(2,2,6-trimethyl-1-cyclohexenyl)but-3-en-2-ol
393.	Dihydro-alpha-ionone	393	07.132	3628	4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-butan-2-one
394.	Dihydro-beta-ionone	394	07.131	3626	4-(2,6,6-Trimethyl-1-cyclohexenyl)-3-butan-2-one
395.	Dihydro-beta-ionol	395	02.107	3627	4-(2,6,6-Trimethyl-1-cyclohexenyl)-3-butan-2-ol
396.	Dehydrodihydroionone	396	07.115	3447	4-(2,6,6-Trimethyl-1,3-cyclohexadienyl)-3-butan-2-one, dehydrodihydro-beta-ionone
397.	Dehydrodihydroionol	397	02.092	3446	4-(2,6,6-Trimethyl-1,3-cyclohexadienyl)-3-butan-2-ol; alpha-2,6,6-tetramethyl-1,3-cyclohexadienyl-1-propanol
398.	Methyl-alpha-ionone	398	07.009	2711	5-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-4-penten-3-one; alpha-cyclocitrylidenebutanone; alpha-

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					cyclocitrylidenemethylethylketone;alpha-n-methylionone;raldeine;alpha-cetone
399.	Methyl-beta-ionone	399	07.010	2712	5-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-4-penten-3-one; beta-cyclocitrylidenebutanone; beta-n-methylionone;raldeine;beta-cetone
400.	Methyl-delta-ionone	400	07.088	2713	4-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-3-methyl-3-buten-2-one; beta-isomethylionone;delta-methylionone;isomethyl-beta-ione
401.	Allyl alpha-ionone	401	07.061	2033	1-(2,6,6-Trimethyl-2-cyclohexenyl)-1,6-heptadien-3-one; allylionone
402.	1,4-dimethyl-4-acetyl-1-cyclohexene	402	-	3449	1,4-Dimethyl-4-acetyl-1-cyclohexene; 1,4-dimethylcyclohex-3-enylmethylketone
403.	alpha-Irone	403	07.011	2597	4-(2,5,6,6-Tetramethyl-2-cyclohexen-1-yl)-3-buten-2-one; 6-methyl-alpha-ionone; cis-(2,6)-cis-(2,2)-alpha-irone
404.	alpha-Iso-methylionone	404	07.036	2714	4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-3-methyl-3-buten-2-one; alpha-cyclocitrylidenebutanone
405.	Acetoin	405	07.051	2008	3-Hydroxy-2-butanone; dimethylketol;acetyl methylcarbinol; 3-hydroxybutan-2-one
406.	2-Acetoxy-3-butanone	406	09.186	3526	1-Methyl-2-oxopropyl acetate; butan-3-one-2-ylacetate;acetoinacetate; sec-butan-3-onyl acetate
407.	Butan-3-one-2-yl butanoate	407	09.264	3332	1-Methyl-2-oxopropyl butyrate; acetylbutyrate;

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					sec-butan-3-onyl butyrate
408.	Diacetyl	408	07.052	2370	2,3-Butanedione; dimethyldiketone; dimethylglyoxal
409.	3-Hydroxy-2-pentanone	409	07.125	3550	3-Hydroxypentan-2-one; acetyethylcarbinol
410.	2,3-Pentadione	410	07.060	2841	Pentane-2,3-dione; acetylpropionyl
411.	4-Methyl-2,3-pentanedione	411	07.063	2730	4-Methylpentane-2,3-dione; acetylisobutyryl
412.	2,3-Hexanedione	412	07.018	2558	Hexane-2,3-dione; acetylbutyryl; methylpropyldiketone
413.	3,4-Hexanedione	413	07.077	3168	Hexane-3,4-dione; 3,4-dioxohexane; diethyl-alpha,beta-diketone; dipropionyl
414.	5-Methyl-2,3-hexanedione	414	07.093	3190	5-Methylhexane-2,3-dione; 2-methyl-4,5-hexanedione; acetylisovaleryl; isobutylmethylketone; isobutylmethylglyoxal; acetylisopentanoyl
415.	2,3-Heptanedione	415	07.064	2543	Heptane-2,3-dione; acetylpentanoyl; acetylvaleryl; valerylacetyl
416.	5-Hydroxy-4-octanone	416	07.065	2587	5-Hydroxyoctan-4-one; 5-octanol-4-one; butyrolin
417.	2,3-Undecadione	417	07.021	3090	Undeca-2,3-dione; acetylnonanoyl; acetylnonyryl; acetylperargonyl
418.	Methylcyclopentenolone	418	07.056	2700	3-Methylcyclopentane-1,2-dione; 2-hydroxy-3-methyl-2-cyclopenten-1-one; cyclotene; maple lactone
419.	Ethylcyclopentenolone	419	07.057	3152	3-Ethylcyclopentane-1,2-dione; 3-ethyl-2-hydroxy-2-cyclopenten-1-one; 3-ethyl-2-cyclopenten-2-ol-1-one
420.	3,4-Dimethyl-1,2-cyclopentanedione	420	07.075	3268	3,4-Dimethylcyclopentane-1,2-dione
421.	3,5-Dimethyl-1,2-cyclopentanedione	421	07.076	3269	3,5-Dimethylcyclopentane-1,2-dione
422.	3-Ethyl-2-hydroxy-4-methylcyclopent-2-en-1-one	422	07.117	3453	3-Ethyl-2-hydroxy-4-methylcyclopent-2-en-1-one

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423.	5-Ethyl-2-hydroxy-3-methylcyclopent-2-en-1-one	423	07.118	3454	5-Ethyl-2-hydroxy-3-methylcyclopent-2-en-1-one; 1,2-cyclohexanedione
424.	2-Hydroxy-2-cyclohexen-1-one	424	07.119	3458	2-Hydroxy-2-cyclohexen-1-one; 3-methyl-1,2-cyclohexanedione; 2-methyl-3,4-cyclohexanedione; 2-hydroxycyclohex-2-en-1-one
425.	1-Methyl-2,3-cyclohexadione	425	07.080	3305	1-Methylcyclohexa-2,3-dione; 2-hydroxyisophorone; 3,5,5-trimethyl-1,2-cyclohexanedione; 3-methylcyclohexan-1,2-dione
426.	2-Hydroxy-3,5,5-trimethyl-2-cyclohexen-1-one	426	07.120	3459	2-Hydroxy-3,5,5-trimethylcyclohex-2-en-1-one
427.	Menthol	427	02.015	2665	3-p-Menthanol
428.	(+)-Neo-menthol	428	02.063	2666	d-Beta-pulegomenthol; d-neo-menthol
429.	Menthone	429	07.176	2667	trans-p-Menthan-3-one; trans-menthone; trans-2-methyl-5-isopropylcyclohexanone
430.	dl-Isomenthone	430	07.078	3460	cis-p-Menthan-3-one; cis-menthone; cis-2-methyl-5-isopropylcyclohexanone
431.	Menthyl acetate	431	09.016	2668	p-Menthan-3-ylacetate
432.	Menthyl isovalerate	432	09.455	2669	p-Menth-3-ylisovalerate; validol
433.	l-Menthyl lactate	433	09.551	3748	l-Menthylactate
434.	p-Menth-1-en-3-ol	434	02.083	3179	-
435.	Piperitone	435	07.175	2910	p-Menth-1-en-3-one; 6-isopropyl-3-methylcyclohex-2-enone; 4-isopropyl-1-methyl-1-cyclohexen-3-one
436.	4-Hydroxy-3-methyloctanoic acid gamma-lactone	437	10.053	3803	3-Methyl-4-octanolide; 5-butyl-4-methyldihydro-2(3h)-furanone; whiskey lactone; 3-Methyloctano-1,4-lactone
437.	5-Hydroxy-2-dodecenoic acid delta-lactone	438	10.044	3802	2-Dodecen-5-olide; 6-heptyl-2h-dihydro-2-pyrone; dodec-2-eno-1,5-

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					lactone
438.	4-Carvomenthenol	439	02.072	2248	p-Menth-1-en-4-ol; 1-methyl-4-isopropyl-1-cyclohexene-4-ol; origanol; terpineol; 4-terpinenol
439.	2-Ethyl-1,3,3-trimethyl-2-norbornanol	440	02.095	3491	2-Ethyl-1,3,3-trimethylbicyclo[2.2.1]heptan-2-ol; 2-ethylfenchol
440.	4-Thujanol	441	02.085	3239	2-Methyl-5-(1-methylethyl)bicyclo[3.1.0]hexan-2-ol; sabinene hydrate
441.	Methyl 1-acetoxycyclohexyl ketone	442	-	3701	1-Acetylcyclohexylacetate; 1-acetoxy-1-acetylcyclohexane
442.	1-Menthol ethylene glycol carbonate	443	09.842	3805	Carbonicacid,2-hydroxyethyl5-methyl-2-(1-methylethyl)cyclohexylester; menthol glycol carbonate
443.	(-)-Menthol 1- and 2-propylene glycol carbonate	444	-	3806	Carbonicacid,2-hydroxypropyl5-methyl-2-(1-methylethyl)cyclohexylester; frescolat, type MGC
444.	(-)-Menthone 1,2-glycerol ketal	445	06.133	3807	1,4-Dioxaspiro[4,5]decane-2-menthanol; frescolat, type MGA
445.	dl-Menthone 1,2-glycerol ketal	446	06.120	3808	1,4-Dioxaspiro[4,5]decane-2-menthanol; frescolat, type MGA racemic
446.	Mono-menthyl succinate	447	09.616	3810	Butanedioicacid,mono-(5-methyl-2-isopropyl-cyclohexyl)ester; butanedioic acid, monomenthyl ester; mono-Menth-3-yl succinate
447.	1-Ethylhexyl tiglate	448	09.539	3676	Octen-3-yl2-methyl-2-butenolate; 1-ethylhexyl 2-methylcrotonate; 3-octyl tiglate; Oct-3-yl 2-methylcrotonate

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448.	Furfural	450	13.018	2489	2-Furaldehyde; 2-formylfuran; fural; 2-furaldehyde; furfuraldehyde; 2-furylcarboxaldehyde; pyromucic aldehyde
449.	Furfuryl alcohol	451	13.019	2491	2-Furancarbinol;furfuralcohol;alpha-furylcarbinol;2-hydroxymethylfuran
450.	Methyl sulfide	452	12.006	2746	2-Thiapropane;thiobismethane; dimethyl sulfide
451.	Methyl ethyl sulfide	453	12.154	3860	(Methylthio)ethane;1-(methylthio)ethane;2-thiabutane;ethylmethylsulfide;ethylmethylthioether
452.	Diethyl sulfide	454	12.113	3825	1,1'-Thiobisethane;ethyl monosulfide;thioethyl ether;sulfodor;ethyl sulfide;3-thiapentane;diethylthioether;ethyl thioether;ethyl thiothane
453.	Butyl sulfide	455	12.007	2215	Dibutyl sulfide; N-butylsulfide;butylthiobutane;1,1'-thiobisbutane
454.	1,4-Dithiane	456	15.066	3831	p-Dithiane;1,4-dithiacyclohexane;tetrahydro-1,4-dithiin;diethylenedisulfide
455.	(1-Buten-1-yl) methyl sulfide	457	12.211	3820	1-Butenyl methyl sulfide; but-1-enyl methyl sulphide
456.	Allyl sulfide	458	12.088	2042	Diallyl sulfide; thioallylether;2-propenylsulfide,3,3'-thiobispropene
457.	Methyl phenyl sulfide	459	12.162	3873	(Methylthio)benzene;1-phenyl-1-thioethane;methylphenylthioether;phenylmethylsulfide;phenylthiomethane;thioanisole;thioanisole
458.	Benzyl methyl sulfide	460	12.077	3597	Methylbenzylsulfide;methylthiomethylbenzene;alpha-(methylthio)toluene
459.	3-(Methylthio)	461	12.062	3415	3-(Methylthio)-1-

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	propanol				propanol; 3-hydroxypropylmethylsulfide; methionol; methyl 3-hydroxypropylsulfide; (methylmercapto)propylalcohol; 3-(methylthio)propylalcohol; 3-(Methylthio)propan-1-ol
460.	4-(Methylthio)butanol	462	12.078	3600	4-(Methylthio)-1-butanol; 4-(methylthio)butan-1-ol
461.	3-(Methylthio)-1-Hexanol	463	12.063	3438	3-(Methylmercapto)-1-hexanol; 3-(methylthio)hexan-1-ol
462.	2-Methyl-4-propyl-1,3-oxathiane	464	16.030	3578	-
463.	2-Methylthioacetaldehyde	465	12.040	3206	(Methylmercapto)acetaldehyde
464.	3-(Methylthio)propionaldehyde	466	12.001	2747	Methional; beta-(methylmercapto)propionaldehyde; 3-(methylmercapto)propionaldehyde; beta-methiopropionaldehyde; beta-(methylthio)propionaldehyde
465.	3-(Methylthio)butanal	467	12.056	3374	3-(Methylthio)butyraldehyde
466.	4-(Methylthio)butanal	468	12.061	3414	Butyraldehyde, 4(methylthio); 4-(methylthio)butyraldehyde
467.	3-Methylthiohexanal	469	12.279	3877	3-(Methylthio)hexanal; 3-methylthiohexaldehyde
468.	2-(Methylthio) methyl-2-butenal	470	12.079	3601	2-(Methylthiomethyl)-2-butenal; 2-ethylidenemethional; 2-(methylthiomethyl)but-2-enal
469.	2,8-Dithianon-4-ene-4-carboxaldehyde	471	12.065	3483	5-Methylthio-2-[(methylthio)methyl]-2-pentenal
470.	Methyl 3-methylthiopropionate	472	12.002	2720	Methyl 3-(methylthio)propionate; Methyl beta-(methylmercapto)propionate; methyl beta-

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					methiopropionate
471.	Methylthiomethyl butyrate	473	12.187	3879	-
472.	Methyl 4-(methylthio)butyrate	474	12.060	3412	Methyl4-(methylmercapto)butyrate ; methyl thiomethyl butyrate
473.	Ethyl 2-(methylthio)acetate	475	12.122	3835	Ethyl (methylthio)acetate; ethylbeta-(methylthio) propionat
474.	Ethyl 3-methylthiopropionate	476	12.053	3343	Ethyl 3-(methylthio)propionate; ethylbeta-(methylthio)propionate
475.	Ethyl 4-(methylthio)butyrate	477	12.084	3681	-
476.	3-(Methylthio) propyl acetate	478	12.237	3883	3-acetoxypropylmethylsulfide; methionylacetate
477.	Methylthiomethyl hexanoate	479	12.188	3880	-
478.	Ethyl 3-(methylthio)butyrate	480	12.089	3836	-
479.	3-(Methylthio) hexyl acetate	481	12.236	3789	-
480.	S-Methyl thioacetate	482	12.149	3876	s-Methyl acetothioate; methanethiolacetate; s-methylethanethioate
481.	Ethyl thioacetate	483	12.018	3282	s-Ethylacetothioate
482.	Methyl thiobutyrate	484	12.032	3310	s-Methyl butanethioate; methylthioln-butyrate
483.	Propyl thioacetate	485	12.059	3385	s-Propyl thioacetate; propanethiolacetate
484.	S-Methyl 2-methylbutanethioate	486	12.086	3708	Methylthiol2-methylbutyrate; methyl 2-(methylthio)butyrate
485.	S-Methyl 3-methylbutanethioate	487	12.157	3864	Methylthiol isovalerate; s-methyl isopentanethioate
486.	S-Methyl 4-methylpentanethioate	488	12.148	3867	Pentanethioic acid, 4-methyl, s-methyl este
487.	S-Methyl hexanethioate	489	12.156	3862	Methylthiolhexanoate
488.	Allyl thiopropionate	490	12.101	3329	Propionicacid, thioallylester
489.	Prenyl thioacetate	491	12.195	3895	s-(3-Methyl-2-butenyl) acetothioate; s-3-methyl-2-butenylethanethioate; S-prenyl thioacetate
490.	Methylthio 2-	492	12.203	3788	s-Methyl 2-

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	(acetyloxy)propionate				(acetyloxy)propanethioate ; acetyllacticacidthiomethyl ester
491.	Methylthio 2-(propionyloxy) propionate	493	12.227	3790	s-Methyl 2-(propionyloxy)propanethioate; propionyllacticacidthiomethyl ester
492.	3-(Acetylmercapto) hexyl acetate	494	12.278	3816	3-Acetylthiohexylacetate;3-acetylthiohexylethanoate
493.	1-Methylthio-2-propanone	495	12.244	3882	2-Thia-4-pentanone;2-propanone, 1-(methylthio)-;alpha-(methylthio)propanone;(methylthio)acetone, alpha(methylthio)acetone
494.	1-(Methylthio)-2-butanone	496	12.041	3207	2-Thia-4-hexanone; 1-(methylthio)butan-2-one
495.	4-(Methylthio)-2-butanone	497	12.057	3375	4-(Methylthio)butan-2-one
496.	4,5-Dihydro-3(2H)-thiophenone	498	15.012	3266	Tetrahydrothiophene-3-one;3-thiophane;4,5-dihydrothiophen-3(2H)-one
497.	2-Methyltetrahydrothiophen-3-one	499	15.023	3512	4,5-Dihydro-2-methyl-3(2H)-thiophenone; 2-methyl-4,5-dihydro-3(2H)thio-phenone; 4,5-dihydro-2-methylthiophene-3(2H)-one
498.	4-(Methylthio)-4-methyl-2-pentanone	500	12.058	3376	4-Methyl-4-(methylthio)-2-pentanone; 4-(methylthio)-4-methylpentan-2-one
499.	Sodium 4-(methylthio)-2-oxobutanoate	501	12.176	3881	Sodium 4-(methylthio)-2-oxobutanoate;4-(methylthio)-2-oxobutyric acid
500.	Di(butan-3-one-1-yl) sulfide	502	12.052	3335	di-(3-Oxobutyl)sulfide
501.	O-(methylthio)phenol	503	12.042	3210	2-(Methylthio)phenol; 1-hydroxy-2-methylmercapto-benzene;methyl(2-hydroxyphenyl)sulfide;2-methylmercaptophenol
502.	S-Methyl benzothioate	504	12.150	3857	s-Methyl thiobenzoate; methanethiol, benzoate;

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					S-Methyl benzothioate
503.	2-(Methylthiomethyl)-3-phenylpropenal	505	12.087	3717	alpha-Benzylidenemethional
504.	Menthone-8-thioacetate	506	12.201	3809	Menthone 8-thioacetate; (s)-menthon-8-ylthioacetate; menthonethioacetate; 8-acetylthio-p-menthan-3-one; 8-Acetylthio-p-menthanone-3
505.	Methylsulfinylmethane	507	12.175	3875	Methylsulfoxide;dimethyl sulfoxide(DMSO)
506.	Methyl mercaptan	508	12.003	2716	Methanethiol;mercaptomethane;methylsulphydrate;thiomethylalcohol
507.	Propanethiol	509	12.071	3521	1-Propanethiol; 1-mercaptopropane;n-propylmercaptan; 1-propane-1-thiol
508.	2-Propanethiol	510	12.197	3897	Isopropylmercaptan; Propane-2-thiol
509.	1-Butanethiol	511	12.010	3478	Butylmercaptan; butane-1-thiol
510.	2-Methyl-1-propanethiol	512	12.173	3874	Isobutylmercaptan; 2-methylpropane-1-thiol
511.	3-Methylbutanethiol	513	12.171	3858	3-Methyl-1-butanethiol; isoamylmercaptan; 3-methylbutane-1-thiol
512.	2-Pentanethiol	514	12.192	3792	2-Pentylmercaptan; pentane-2-thio
513.	2-Methyl-1-butanethiol	515	12.048	3303	2-Methylbutane-1-thiol
514.	Cyclopentanethiol	516	12.029	3262	Cyclopentylmercaptan
515.	3-Methyl-2-butanethiol	517	12.049	3304	3-Methylbutane-2-thiol
516.	1-Hexanethiol	518	12.132	3842	Hexylmercaptan; hexane-1-thiol
517.	2-Ethylhexanethiol	519	12,128	3833	2-Ethylhexylmercaptan;2-ethylhexane-1-thiol
518.	2-, 3- and 10-Mercaptopinane	520	12.035	3503	Mixture of 2,6,6 trimethyl-bicyclo[3.1.1]heptane-(2, 3 and 10)-thiols; pinanethiol;pinanylmercaptan
519.	Allyl mercaptan	521	12.004	2035	Allylthiol; allylsulphydrate
520.	Prenylthiol	522	12.170	3896	3-Methyl-2-butene-1-thiol; prenylmercaptan;3-methyl-2-

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					butenylmercaptan;3-methyl-2-butenthio-1-1; 3-methylbut-2-ene-1-thiol
521.	1-P-menthene-8-thiol	523	12.085	3700	alpha,alpha-4-Trimethyl-3-cyclohexene-1-methanethiol; p-Menth-1-ene-8-thiol
522.	Thiogeranisol	524	12.064	3472	3,7-Dimethyl-2(trans),6-octadiene-1-thiol; 3,7-dimethyl-2,6-octadien-1-thiol;3,7-dimethyl-2,6-octadien-1-ylmercaptan
523.	Benzenethiol	525	12.080	3616	Thiophenol;phenylmercaptan
524.	Benzyl mercaptan	526	12.005	2147	Phenylmethanethiol; benzenemethanethiol;benzylthiol;alpha-mercaptoluene;thiobenzyl alcohol
525.	Phenethyl mercaptan	527	12.194	3894	2-Phenylethanethiol, 2-phenethylthiol; 2-phenylethane-1-thiol
526.	O-Toluenethiol	528	12.027	3240	2-Methylbenzenethiol; 2-methyl(thiophenol);o-tolylmercaptan; 2-methylbenzene-1-thiol
527.	2-Ethylthiophenol	529	12.054	3345	2-Ethylbenzenethiol; 2-ethylphenylmercaptan
528.	2,6-Dimethyl(thiophenol)	530	12.082	3666	2,6-Dimethylbenzenethiol; 2,5-xylenethiol
529.	2-Naphthalenethiol	531	12.033	3314	2-Mercaptonaphthalene;2-naphthylmercaptan;2-thionaphthol; 1,1-diethoxydecane; naphthalene-2-thiol
530.	1,2-Ethanedithiol	532	12.066	3484	1,2-Dimercaptoethane;dithioglycol;ethylenedimercaptan;ethylenedithioglycol;ethylenemercaptan; ethane-1,2-dithiol
531.	bis(Methylthio)methane	533	12.118	3878	Thioformaldehyde dimethyl acetal;bis(methyl mercapto) methane;methylene bis(methyl sulfide);formaldehyde dimethyl mercaptal;2,4-dithiapentane;formaldehy

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
					de dimethyl dithioacetal
532.	2-Methyl-1,3-dithiolane	534	15.034	3705	-
533.	1,3-Propanedithiol	535	12.076	3588	1,3-Dimercaptopropane; trimethylenedimercaptan; propane-1,3-dithiol
534.	1,2-Propanedithiol	536	12.070	3520	1,2-Dimercaptopropane; propane-1,2-dithiol
535.	1,2-Butanedithiol	537	12.072	3528	Butane-1,2-dithiol
536.	1,3-Butanedithiol	538	12.073	3529	1,3-Dimercaptobutane; butane-1,3-dithiol
537.	2,3-Butanedithiol	539	12.022	3477	2,3-Dimercaptobutane; butane-2,3-dithiol
538.	1,6-Hexanedithiol	540	12.067	3495	1,6-Dimercaptohexane; hexamethylenedimercaptan; Hexane-1,6-dithiol
539.	1,8-Octanedithiol	541	12.034	3514	1,8-Dimercaptooctane; octamethylenedimercaptan; octane-1,8-dithiol
540.	1,9-Nonanedithiol	542	12.069	3513	1,9-Dimercaptononane; nonamethylenedimercaptan; nonane-1,9-dithiol
541.	Trithioacetone	543	15.009	3475	2,2,4,4,6,6-Hexamethyl-1,3,5-trithiane
542.	3-Mercapto-3-methyl-1-butanol	544	12.137	3854	3-Mercapto-3-methylbutan-1-ol
543.	3-Mercaptohexanol	545	12.217	3850	3-Mercapto-1-hexanol; 3-thiohexan-1-ol; 3-mercaptohexan-1-ol
544.	2-Mercapto-3-butanol ((R,S)-3-mercaptobutan-2-ol)	546	12.024	3502	2-Hydroxy-3-butanethiol; 3-hydroxy-2-butanethiol; 3-mercaptobutan-2-ol
545.	alpha-methyl-beta-hydroxypropyl alpha-methyl-beta-mercaptopropyl sulfide	547	12.036	3509	3-[(2-Mercapto-1-methylpropyl)thio]-2-butanol; 3-[(2-mercapto-1-methylpropyl)thio]butan-2-ol
546.	4-Methoxy-2-methyl-2-butanethiol	548	12.145	3785	4-Methoxy-2-methylbutane-2-thiol
547.	3-Mercapto-3-methylbutyl formate	549	12.138	3855	-
548.	2,5-Dihydroxy-1,4-dithiane	550	15.134	3826	Mercaptoacetaldehydedimer; p-diathane-2,5-diol

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\*\*) EU Flavis database

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
549.	2-Mercaptopropionic acid	551	12.039	3180	Alpha-mercaptopropanoicacid;t hioilacticacid;2-thiolpropionicacid
550.	Ethyl 2-mercaptopropionate	552	12.046	3279	Ethylthiolactate
551.	Ethyl 3-mercaptopropionate	553	12.083	3677	Ethyl3-thiopropionate
552.	3-Mercaptohexyl acetate	554	12.234	3851	3-Thiohexylacetate;3-thiohexylethanoate
553.	3-Mercaptohexyl Butyrate	555	12.235	3852	3-Thiohexylbutyrate;3-thiohexylbutanoate
554.	3-Mercaptohexyl hexanoate	556	12.251	3853	3-Mercaptohexylcaproate;3-thiohexylcaproate
555.	1-Mercapto-2-propanone	557	12,143	3856	Mercaptoacetone; 1-mercaptopropan-2-one
556.	3-Mercapto-2-butanone	558	12.047	3298	3-Mercaptobutan-2-one
557.	2-Keto-4-butanethiol	559	12.055	3357	4-Mercapto-2-butanone; 4-mercaptobutan-2-one
558.	3-Mercapto-2-pentanone	560	12.031	3300	3-Mercaptopentan-2-one
559.	P-Mentha-8-thiol-3-one	561	12.038	3177	8-Mercapto-p-menthane-3-one; thiomenthone
560.	2,5-Dimethyl-2,5-dihydroxy-1,4-dithiane	562	15.006	3450	2,5-Dimethyl-2,5-dihydroxy-p-dithiane; 2,5-dihydroxy-2,5-dimethyl-1,4-dithiane
561.	Sodium 3-mercaptopropionate	563	-	3901	Sodiummercaptopyruvate ;pyruvicacid,3-mercaptopropionate,sodiumsalt
562.	Dimethyl disulfide	564	12.026	3536	Methyl disulfide
563.	Methyl propyl disulfide	565	12.019	3201	Methyl n-propyl disulfide
564.	Propyl disulfide	566	12.014	3228	di-n-Propyl disulfide; 1-propyl disulfide; dipropyl disulfide
565.	Diisopropyl disulfide	567	12.109	3827	Isopropyl disulfide; 2,5-dimethyl-3,4-dithiahexane; bis(1-methylethyl)disulfide
566.	Allyl methyl disulfide	568	12,037	3127	Methylallyl disulfide
567.	Methyl 1-propenyl disulfide	569	12,075	3576	Methylpropenyldisulfide; methyl prop-1-enyl disulfide
568.	Propenyl propyl	570	12,044	3227	Propylpropenyldisulfide;

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
	disulfide				prop-1-enyl propyl disulfide
569.	Methyl 3-methyl-1-butenyl disulfide	571	12,218	3865	Methyl-3-methyl-1-butenyl disulphide
570.	Allyl disulfide	572	12,008	2028	Diallyl disulfide
571.	3,5-Dimethyl-1,2,4-trithiolane	573	15.025	3541	2,5-Dimethyl-1,3,4-trithiolane;3,5-dimethyl-1,2,4-trithiacyclopentane
572.	3-Methyl-1,2,4-trithiane	574	15.036	3718	3-Methyl-1,2,4-trithiacyclohexane
573.	Dicyclohexyl disulfide	575	12.028	3448	-
574.	Methyl phenyl disulfide	576	12.161	3872	Phenylmethyldisulfide
575.	Methyl benzyl disulfide	577	12.068	3504	Benzyl methyl disulfide; benzyldithiomethane; methylbenzyl disulfide; methyl phenylmethyldisulfide
576.	Phenyl disulfide	578	12.043	3225	Diphenyl disulfide; phenyldithiobenzene
577.	Benzyl disulfide	579	12.081	3617	Dibenzyl disulfide; BDS;alpha-(benzyldithio)toluene;1,4-diphenyl-1,2,3-dithiobutane;di(phenylmethyl)disulfide
578.	2-Methyl-2-(methyldithio)propanal	580	12.168	3866	2-(Methyldithio)isobutyraldehyde
579.	Ethyl 2-(methyldithio)propionate	581	12.121	3834	-
580.	Dimethyl trisulfide	582	12.013	3275	-
581.	Methyl ethyl trisulfide	583	12,155	3861	Ethyl methyl trisulfide; 2,3,4-trithiahexane
582.	Methyl propyl trisulfide	584	12.020	3308	-
583.	Dipropyl trisulfide	585	12.023	3276	-
584.	Allyl methyl trisulfide	586	12,045	3253	Methylallyl trisulfide
585.	Diallyl trisulfide	587	12.009	3265	Allyl trisulfide
586.	Diallyl polysulfide	588	12.074	3533	Mixture of diallyl di-, tri-, tetra-, and pentasulfides; 2-propenyl polysulfides
587.	2-Oxobutyric acid	589	08.066	3723	2-Oxobutyric acid; alpha-ketobutyric acid
588.	Methyl 2-hydroxy-4-methylpentanoate	590	09.548	3706	Methyl 2-hydroxy-4-methylvalerate; methyl 2-hydroxyisocaproate Pentanoic acid, 2-

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
					hydroxy-4-methyl-, methyl ester
589.	Methyl 2-oxo-3-methylpentanoate	591	09.550	3713	Methyl2-keto-3-methylvalerate;methyl3-methyl-2-oxovalerate; methyl 2-oxo-3-methylvalerate
590.	Citronelloxyacetaldehyde	592	05.079	2310	6,10-Dimethyl-3-oxa-9-undecenal
591.	3-Oxobutanal dimethyl acetal	593	06.038	3381	4,4-Dimethoxy-2-butanone; acetylaldehydedimethylacetal;3-ketobutyraldehydedimethylacetal; 4,4-dimethoxybutan-2-one
592.	Ethyl 3-hydroxybutyrate	594	09.522	3428	Ethyl3-hydroxybutanoate
593.	Ethyl acetoacetate	595	09.402	2415	Ethyl 3-oxobutyrate; acetoaceticester;ethylacetylacetate;ethyl3-ketobuyrate;ethyl3-oxobutanoate
594.	Butyl acetoacetate	596	09.403	2176	Butyl 3-oxobutyrate; butyl3-ketobutanoate;butylbeta-ketobutanoate;butylbeta-ketobutyrate;butyl3-oxobutanoate
595.	Isobutyl acetoacetate	597	09.404	2177	2-Methylpropyl 3-oxobutyrate; isobutylbeta-ketobutyrate;isobutyl3-oxobutanoate
596.	Isoamyl acetoacetate	598	09.401	3551	3-Methylbutyl 3-oxobutyrate; isoamylbeta-ketobutyrate;isoamyl3-oxobutanoate isobutyl 3-oxobutanoate isobutyl beta-ketobutyrate; isopentyl acetoacetate
597.	Geranyl acetoacetate	599	09.405	2510	3,7-Dimethylocta-2(trans),6-dienyl 3-oxobutyrate; trans-3,7-dimethyl-2,6-octadien-1-ylacetoacetate;geranylbeta-ketobutyrate;geranyl3-

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
					oxobutanoate
598.	Methyl 3-hydroxyhexanoate	600	09.532	3508	Methyl3-hydroxycaproate;methylbeta-hydroxycaproate;methylbeta-hydroxyhexanoate
599.	Ethyl 3-hydroxyhexanoate	601	09.535	3545	Ethyl3-hydroxycaproate
600.	Ethyl 3-oxohexanoate	602	09.542	3683	Ethylbeta-ketohexanoate
601.	Ethyl 2,4-dioxohexanoate	603	09.514	3278	Ethyl2,4-diketocaproate
602.	3-(hydroxymethyl)-2-heptanone	604	-	2804	2-Acetyl-1-hexanol;methylolmethylalmylketone
603.	1,3-Nonanediol acetate (mixed esters)	605	09.225	2783	Mixture of 3-acetoxynonyl acetate, 3-hydroxynonyl acetate and 1-(2-hydroxyethyl)heptyl acetate; 3-hexyl-1,3-propanediolacetate,mixed esters;nonanediacetate
604.	Levulinic acid	606	08.023	2627	gamma-Ketovaleric acid;laevulic acid;laevulinic acid;3-ketobutane-1-carboxylic acid;beta-acetylpropionic acid;gamma-oxovaleric acid;gamma-oxopentanoic acid;4-oxopentanoic acid;3-acetylpropionic acid; 4-oxovaleric acid
605.	Ethyl levulinate	607	09.435	2442	Ethyl acetylpropanoate;ethyl laevulate;ethyl 4-oxopentanoate;ethyl gamma-ketovalerate; ethyl 4-oxovalerate
606.	Butyl levulinate	608	09.436	2207	Butyl 4-oxovalerate; N-butylacetopropionate;n-butylgamma-ketovalerate;n-butyllevulinate
607.	1,4-Nonanediol diacetate	609	09.280	3579	-
608.	Hydroxycitronellol	610	02.047	2586	2,6-Dimethyl-2,8-

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
					octanediol; citronellohydrate
609.	Hydroxycitronellal	611	05.012	2583	7-Hydroxy-3,7-dimethyloctanal; citronellaldehyde; 7-hydroxy-3,7-dimethyloctanal; oxdihydr ocitronellal
610.	Hydroxycitronellal dimethyl acetal	612	06.011	2585	8,8-Dimethoxy-2,6-dimethyl-2-octanol; 1,1-dimethoxy-3,7-dimethyl-7-octanol
611.	Hydroxycitronellal diethyl acetal	613	06.010	2584	8,8-Diethoxy-2,6-dimethyl-2-octanol; 1,1-diethoxy-3,7-dimethyl-7-octanol
612.	Diethyl malonate	614	09.490	2375	Diethyl propanedioate; ethylmalonate; ethylmethanedicarboxylate; ethylpropanedioate; malonic ester
613.	Butyl ethyl malonate	615	09.441	2195	Butyl ethyl ester; propanedioic acid
614.	Dimethyl succinate	616	09.445	2396	Dimethylbutanedioate; methylbutandioate; methylsuccinate
615.	Diethyl succinate	617	09.444	2377	Diethylbutanedioate; diethylethanedicarboxylate; ethylsuccinate
616.	Fumaric acid	618	08.025	2488	2(trans)-Butenedioic acid; allomaleic acid; boletic acid; (e)-butenedioic acid; (e)-1,2-ethylenedicarboxylic acid
617.	l-Malic acid	619	08.017	2655	2-Hydroxybutanedioic acid; L-malic acid; 2-hydroxybutanedioic acid; hydroxysuccinic acid
618.	Diethyl malate	620	09.439	2374	Diethyl 2-hydroxybutanedioate; diethylhydroxysuccinate; ethylmalate
619.	Meso-tartaric acid, mixture of (+)-, (-)-, (±)-	621	08.018	3044	2,3-Dihydroxysuccinic acid; 2,3-dihydrobutanedioic acid; Dl-tartaric acid
620.	DL-Tartaric acid	-	08.018	3044	L-Tartaric acid, 1,2,3-dihydroxysuccinic acid; 1,2,3-dihydroxybutanedioic acid

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621.	L(+)-Tartaric acid	-	08.018	3044	2,3-Dihydroxybutanedioic acid; alpha, beta-dihydroxysuccinic acid
622.	Diethyl tartrate	622	09.446	2378	Diethyl 2,3-dihydroxybutanedioate; ethyltartratediethyl 2,3-dihydroxysuccinate
623.	Adipic acid	623	08.026	2011	Hexanedioic acid; 1,4-butanedicarboxylic acid
624.	Diethyl sebacate	624	09.475	2376	Diethyldecanedioate; diethyl 1,8-octanedicarboxylate; ethyl decanedioate; ethylsebacate
625.	Dibutyl sebacate	625	09.474	2373	Butylsebacate; n-butylsebacate; dibutyldecanedioate; dibutyl 1,8-octanedicarboxylate
626.	Ethylene brassylate	626	09.533	3543	Tridecanedioic acid cyclic ethylene glycol diester; cyclo-1,13-ethylenedioxytridecan-1,13-dione; 1,4-dioxacycloheptadecane-5,17-dione
627.	Aconitic acid	627	08.033	2010	1,2,3-Propenetricarboxylic acid; achelleic acid; 2-carboxyglutaconic acid; citridic acid; equisetiic acid; 1-propene-1,2,3-tricarboxylic acid; prop-1-ene-1,2,3-tricarboxylic acid
628.	Ethyl aconitate (mixed esters)	628	09.510	2417	Ethyl 2-carboxyglutaconate; ethyl 1-propene-1,2,3-tricarboxylate 1-propene-1,2,3-tricarboxylic acid, ethyl ester
629.	Triethyl citrate	629	09.512	3083	Ethylcitrate; triethyl 2-hydroxy-1,2,3-propanetricarboxylate
630.	Tributyl acetylcitrate	630	09.511	3080	Tributyl 2-acetoxy-1,2,3-propanetricarboxylate; acetyltributylcitrate
631.	3-Methyl-2-	631	-	3869	2-

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	oxobutanoic acid				Oxoisovalericacid;dimethylpyruvicacid
632.	3-Methyl-2-oxobutanoic acid, sodium salt	631.1	08.051	3869	Sodium 3-methyl-2-oxobutyrate; sodium,alpha-ketoisovalerate; butanoic acid, 3-methyl-2-oxo-, sodium salt
633.	3-Methyl-2-oxopentanoic acid	632	08.093	3870	3-Methyl-2-oxovaleric acid
634.	3-Methyl-2-oxopentanoic acid, sodium salt	632.1	-	3870	Valeric acid, 3-methyl-2-oxo-, sodium salt;pentanoic acid, 3-methyl-2-oxo-, sodium salt
635.	4-Methyl-2-oxopentanoic acid	633	08.052	3871	4-Methyl-2-oxovaleric acid; 4-methyl-2-oxovalericacid
636.	4-Methyl-2-oxopentanoic acid, sodium salt	633.1	08.052	3871	Sodium 4-methyl-2-oxovalerate; 4-methyl-2-oxovalericacid,sodiumsalt ;sodium4-methyl-2-ketopentanoate;sodium4-methyl-2-oxopentanoate
637.	2-Oxopentanedioic acid	634	08.037	3891	2-Oxoglutaricacid;2-ketoglutaricacid;alpha-ketoglutaricacid
638.	3-Hydroxy-2-oxopropionic acid	635	08.086	3843	-
639.	3-Phenyl-1-propanol	636	02.031	2885	3-Phenylpropanol; hydrocinnamylalcohol;phenethylcarbinol;3-hydroxy-1-phenylpropane;(3-hydroxypropyl)benzene; 3-phenylpropan-1-ol
640.	3-Phenylpropyl formate	637	09.084	2895	Benzenepropanol formate; hydrocinnamylformate;beta-phenylpropylformate
641.	3-phenylpropyl acetate	638	09.032	2890	Benzenepropanol acetate; hydrocinnamylacetate;beta-phenylpropylacetate
642.	3-Phenylpropyl Propionate	639	09.138	2897	Benzenepropanol propionate; hydrocinnamylpropionate ;beta-phenylpropylpropionate
643.	3-Phenylpropyl	640	09.428	2893	3-Phenylpropyl

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	Isobutyrate				isobuyrate; hydrocinnamylisobutyrate; 3-phenylpropyl 2-methylpropanoate; beta-phenylpropyl-2-methylpropanoate
644.	3-Phenylpropyl Isovalerate	641	09.467	2899	Hydrocinnamyl isovalerate; 3-phenylpropyl isopentanoate; beta-phenylpropyl 3-methylbutanoate
645.	3-Phenylpropyl Hexanoate	642	09.071	2896	Hydrocinnamyl caproate; 3-phenylpropyl caproate
646.	Methyl 3-phenylpropionate	643	09.746	2741	Methyl hydrocinnamate
647.	Ethyl 3-phenylpropionate	644	09.747	2455	Ethyl hydrocinnamate
648.	3-Phenylpropionaldehyde	645	05.080	2887	Benzylacet aldehyde; hydrocinnamaldehyde; phenylpropyl aldehyde; 3-phenylpropanal
649.	3-Phenylpropionic Acid	646	08.032	2889	Benzenepropanoic acid; benzylacetic acid; hydrocinnamic acid; beta-phenylpropionic acid
650.	Cinnamyl alcohol	647	02.017	2294	Cinnamyl alcohol; cinnamic alcohol; gamma-phenylallyl alcohol; zimtalcohol
651.	Cinnamaldehyde ethylene glycol acetal	648	06.014	2287	Cincloval; 2-styryl-1,3-dioxolane; 2-(2-phenylethylene)-1,3-dioxolane
652.	Cinnamyl formate	649	09.085	2299	3-Phenylallyl formate
653.	Cinnamyl acetate	650	09.018	2293	3-Phenylallyl acetate
654.	Cinnamyl propionate	651	09.132	2301	3-Phenylallyl propionate
655.	Cinnamyl butyrate	652	09.053	2296	3-Phenylallyl butyrate; 3-phenyl-2-propenyl butyrate
656.	Cinnamyl isobutyrate	653	09.470	2297	Cinnamyl 2-methylpropanoate; 3-phenyl-2-propen-1-yl isobutyrate
657.	Cinnamyl isovalerate	654	09.459	2302	Cinnamyl 3-methyl butanoate; 3-phenylallyl isovalerate; 3-phenylallyl 3-methyl butanoate

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658.	Cinnamyl phenylacetate	655	09.708	2300	Cinnamylalpha-toluate;3-phenylallylphenylacetate
659.	Cinnamaldehyde	656	05.014	2286	3-Phenyl-2-propen-1-al; cinnamal;cinnamic aldehyde; beta-phenylacrolein; zimtaldehyde; cassiaaldehyde; benzylideneacetaldehyde
660.	Cinnamic acid	657	08.022	2288	3-Phenyl-2-propenoic acid; benzenepropenoic acid; benzylideneacetic acid; 3-phenylacrylic acid; beta-phenylacrylic acid
661.	Methyl cinnamate	658	09.740	2698	Ethyl phenylacrylate
662.	Ethyl cinnamate	659	09.730	2430	-
663.	Propyl cinnamate	660	09.731	2938	Propyl beta-phenylacrylate
664.	Isopropyl cinnamate	661	09.732	2939	1-Methylethyl 3-phenylpropenoate
665.	Butyl cinnamate	663	09.733	2192	Butyl beta-phenylacrylate
666.	Isobutyl cinnamate	664	09.734	2193	Isobutyl beta-phenylacrylate; labdanol; 2-methylpropyl cinnamate; 2-methylpropyl beta-phenylacrylate
667.	Isoamyl cinnamate	665	09.742	2063	Isopentyl cinnamate; isoamyl beta-phenylacrylate; isopentyl cinnamate
668.	Heptyl cinnamate	666	09.782	2551	Heptyl beta-phenylacrylate; heptyl 3-phenylpropenoate
669.	Cyclohexyl cinnamate	667	09.744	2352	cyclohexyl beta-phenylacrylate
670.	Linalyl cinnamate	668	09.736	2641	3,7-Dimethyl-1,6-octadien-3-yl cinnamate; 3,7-dimethyl-1,6-octadien-3-yl beta-phenylacrylate; 3,7-dimethyl-1,6-octadien-3-yl 3-phenylpropenoate; 1,5-dimethyl-1-vinylhex-4-enyl-3-phenylpropenoate
671.	Terpinyl cinnamate	669	09.737	3051	Terpinyl beta-phenylacrylate; terpinyl 3-phenylpropenoate; p-

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					menthen-1-en-8-yl cinnamate; p-menth-1-en-8-yl 3-phenylpropenoate; (S)-terpinyl cinnamate
672.	Benzyl cinnamate	670	09.738	2142	Benzyl beta-phenylacrylate; cinnamein
673.	Phenethyl cinnamate	671	09.743	2863	Benzylcarbiny 3-phenylpropenoate; beta-phenethyl beta-phenylacrylate; 2-phenylethyl cinnamate; benzylcarbiny cinnamate; phenethyl 3-phenylpropenoate
674.	3-Phenylpropyl Cinnamate	672	09.745	2894	Hydrocinnamyl 3-phenylpropenoate; beta-phenylpropyl cinnamate; 3-phenylpropyl beta-phenylacrylate; hydrocinnamyl cinnamate; 3-phenylpropyl 3-phenylpropenoate
675.	Cinnamyl cinnamate	673	09.739	2298	Cinnamyl beta-phenylacrylate; 3-phenylallyl cinnamate; phenylallyl cinnamate; 3-phenylprop-2-enyl 3-phenylpropenoate
676.	alpha-Amylcinnamyl alcohol	674	02.030	2065	alpha-Pentylcinnamyl alcohol; 2-benzylideneheptanol; n-amylcinnamic alcohol; 2-pentyl-3-phenylprop-2-en-1-ol
677.	5-Phenylpentanol	675	02.051	3618	Benzenepentan-1-ol; phenylamyl alcohol; 5-phenylpentan-1-ol
678.	alpha-Amylcinnamyl formate	676	09.090	2066	2-(Phenylmethylene)heptyl formate; alpha-amyl-beta-phenylacryl formate; alpha-pentylcinnamyl formate
679.	alpha-Amylcinnamyl acetate	677	09.026	2064	2-(Phenylmethylene)heptyl

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					acetate; alpha-n-amyl-beta-phenylacryl acetate; alpha-pentylcinnamyl acetate
680.	alpha-Amylcinnamyl isovalerate	678	09.468	2067	2-(Phenylmethylene)heptyl-3-methylbutanoate; alpha-amyl-beta-phenylacryl isovalerate; alpha-n-amyl-beta-phenylacryl-3-methylbutanoate; alpha-pentylcinnamyl isovalerate
681.	3-Phenyl-4-pentenal	679	05.103	3318	3-Phenyl-3-vinylpropionaldehyde; beta-vinylhydrocinnamaldehyde; 3-phenylpent-4-enal
682.	3-(p-Isopropylphenyl)propionaldehyde	680	05.094	2957	3-(p-Cumenyl)propionaldehyde; cuminylacetaldehyde; p-cumylpropanal; p-isopropylhydrocinnamaldehyde; 3-(p-cumenyl)propionaldehyde; 3-(4-isopropylphenyl)propionaldehyde
683.	alpha-Amylcinnamaldehyde dimethyl acetal	681	06.013	2062	alpha-Pentylcinnamaldehyde dimethyl acetal; alpha-amylcinnamic aldehyde dimethyl acetal; alpha-amyl-beta-phenylacrolein dimethyl acetal; 1,1-dimethoxy-2-benzylideneheptane; (2-(dimethoxymethyl)-1-heptenyl)benzene
684.	p-Methylcinnamaldehyde	682	05.122	3640	3-(p-Methylphenyl)propenal; 3-p-

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	e				tolylpropenal; 2-propenal, 3-(4-methylphenyl)-
685.	alpha-Methylcinnamaldehyde	683	05.050	2697	alpha-Methylcinnamaldehyde; 3-phenyl-2-methylacrolein; alpha-methylcinnamylaldehyde; alpha-Methylcinnamaldehyde
686.	alpha-Butylcinnamaldehyde	684	05.039	2191	2-Benzylidenehexanal; butylcinnamic aldehyde; alpha-butyl-beta-phenylacrolein
687.	alpha-Amylcinnamaldehyde	685	05.040	2061	Amyl cinnamal; flomine; floxine; jasmine aldehyde; alpha-amyl-beta-phenylacrolein; alpha-pentylcinnamaldehyde; buxine; jasmonal; fosal; A.C.A.
688.	alpha-Hexylcinnamaldehyde	686	05.041	2569	H.C.A.; hexyl cinnamic aldehyde; alpha-n-hexyl-beta-phenylacrolein; alpha-n-hexylcinnamic aldehyde; 2-benzylideneoctanal; jasmonal H.
689.	p-Methoxycinnamaldehyde	687	05.118	3567	p-Methoxycinnaldehyde; 4-methoxycinnamaldehyde
690.	o-Methoxycinnamaldehyde	688	05.048	3181	beta-(o-Methoxyphenyl)acrolein; 2-methoxycinnamaldehyde
691.	p-Methoxy-alpha-methylcinnamaldehyde	689	05.051	3182	4'-Methoxy-2-methylcinnamaldehyde; 3-(4-methoxyphenyl)-2-methylprop-2-enal
692.	Phenol	690	04.041	3223	Carbolic acid; hydroxybenzene
693.	o-Cresol	691	04.027	3480	o-Cresylic acid; 1-hydroxy-2-methylbenzene; o-hydroxytoluene; o-methylphenol; 2-methylphenol
694.	m-Cresol	692	04.026	3530	m-Cresylic acid; 1-hydroxy-3-methylbenzene; 3-

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					hydroxytoluene;m-methylphenol; 3-methylphenol
695.	p-Cresol	693	04.028	2337	p-Cresylicacid;1-hydroxy-4-methylbenzene;p-hydroxytoluene;p-methylphenol; 4-methylphenol
696.	p-Ethylphenol	694	04.022	3156	4-Ethylphenol; 4-hydroxyethylbenzene
697.	o-Propylphenol	695	04.046	3522	2-Propylphenol; 1-(2-hydroxyphenyl) propane
698.	p-Propylphenol	696	04.050	3649	4-Propylphenol; 1-(4-hydroxyphenyl) propane
699.	2-Isopropylphenol	697	04.044	3461	o-Cumenol;1-hydroxy-2-isopropylbenzene;o-isopropylphenol
700.	o-Tolyl acetate	698	09.228	3072	Acetylo-cresol;o-cresolacetate;o-cresylicacetate; 2-methylphenyl acetate
701.	p-Tolyl acetate	699	09.036	3073	Acetyl p-cresol;p-cresylacetate;p-cresylicacetate
702.	o-Tolyl isobutyrate	700	09.480	3753	o-Cresylisobutyrate;o-tolyl2-methylpropanoate
703.	p-Tolyl isobutyrate	701	09.429	3075	P-Cresylisobutyrate;p-methylphenylisobutyrate; p-tolyl2-methylpropanoate
704.	p-Tolyl 3-methylbutyrate	702	09.518	3387	p-Tolyl isovalerate; p-cresylisovalerate;p-cresyl3-methylbutanoate; 4-methylphenyl isovalerate
705.	p-Tolyl octanoate	703	09.301	3733	p-Cresyloctanoate;p-cresylcaprylate;p-tolylcaprylate
706.	p-Tolyl laurate	704	09.102	3076	p-Tolyl dodecanoate;p-cresyl laurate;p-cresyl dodecanoate; 4-methylphenyl dodecanoate
707.	p-Tolyl phenylacetate	705	09.709	3077	p-Cresylphenylacetate;p-cresylalpha-toluate;narcissin;p-tolylalpha-toluate
708.	2,5-Xylenol	706	04.019	3595	1-Hydroxy-2,5-dimethylbenzene; 2,5-

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					dimethylphenol
709.	2,6-Xylenol	707	04.042	3249	2-Hydroxy-1,3-dimethylbenzene; 2,6-dimethylphenol
710.	3,4-Xylenol	708	04.048	3596	1-Hydroxy-3,4-dimethylbenzene; 3,4-dimethylphenol
711.	Thymol	709	04.006	3066	3-p-Cymenol; 3-hydroxy p-cymene; 1-methyl-3-hydroxy-4-isopropylbenzene; thyme camphor; 3-methyl-6-isopropylphenol; alpha-cymophenol; 5-methyl-2-(1-methylethyl)phenol
712.	Carvacrol	710	04.031	2245	2-Methyl-5-(1-methylethyl)phenol; p-cymene-2-ol; cymenphenol; 2-hydroxy-p-cymene; isopropyl-o-cresol; isothymol; isothymol
713.	p-Vinylphenol	711	04.057	3739	4-Vinylphenol; p-ethenylphenol; 4-hydroxystyrene
714.	Resorcinol	712	04.047	3589	m-Dihydroxybenzene; benzene-1,3-diol
715.	Guaiacol	713	04.005	2532	o-Hydroxyanisole; pyroguaiac acid; o-methoxyphenol; pyrocatechol monomethyl ether; 1-hydroxy-2-methoxybenzene; 1-oxy-2-methoxybenzene; o-methylcatechol; 2-methoxyphenol
716.	o-(Ethoxymethyl)phenol	714	04.045	3485	2-(Ethoxymethyl)hydroxybenzene; o-hydroxybenzylethylether; alpha-ethoxy-o-cresol; 2-(ethoxymethyl)phenol
717.	2-Methoxy-4-methylphenol	715	04.007	2671	2-Methoxy-p-cresol; cresol; homocatechol monoethylether; 1-hydroxy-2-methoxy-4-methylbenzene; 2-methoxy-p-cresol; 4-methylguaiacol; valspice
718.	4-Ethylguaiacol	716	04.008	2436	Homocresol; 1-hydroxy-

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					2-methoxy-4-ethylbenzene
719.	2-Methoxy-4-propylphenol	717	04.049	3598	4-Propylguaiacol;5-propyl-o-hydroxyanisole;4-propyl-o-methoxyphenol;dihydroeugenol
720.	Guaiacyl acetate	718	09.174	3687	2-Methoxyphenol acetate; 1-acetoxy-2-methoxybenzene;acetylguaiacol;o-methoxyphenylacetate;o-acetoxyanisole; 2-methoxyphenyl acetate
721.	Guaiacyl phenylacetate	719	09.711	2535	2-Methoxyphenyl phenylacetate; guaiacolphenylacetate;o-methylcatecholphenylacetate;o-methoxyphenolphenylacetate
722.	Hydroquinone monoethyl ether	720	04.037	3695	1-Ethoxy-4-hydroxybenzene;p-ethoxyphenol;p-hydroxyphenetole; 4-ethoxyphenol
723.	2,6-Dimethoxyphenol	721	04.036	3137	2-Hydroxy-1,3-dimethoxybenzene;pyrogallol1,3-dimethylether;syringol
724.	4-Methyl-2,6-dimethoxyphenol	722	04.053	3704	2,6-Dimethoxy-p-cresol;4-methylsyringol
725.	4-Ethyl-2,6-dimethoxyphenol	723	04.052	3671	2,6-Dimethoxy-4-ethylphenol;4-ethylsyringol
726.	4-Propyl-2,6-dimethoxyphenol	724	04.056	3729	4-Propylsyringol; 2,6-dimethoxy-4-propylphenol
727.	2-Methoxy-4-vinylphenol	725	04.009	2675	4-Hydroxy-3-methoxystyrene;p-vinylcatechol-o-methylether;p-vinylguaiacol
728.	4-Allyl-2,6-dimethoxyphenol	726	04.051	3655	4-Allylsyringol;6-methoxyeugenol;2,6-dimethoxy-4-(2-propenyl) phenol
729.	2-	727	07.124	3548	o-Acetylphenol;o-

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	Hydroxyacetophenone				hydroxyacetophenone
730.	4-(p-Hydroxyphenyl)-2-butanone	728	07.055	2588	1-p-Hydroxyphenyl-3-butanone; rastone; p-hydroxybenzylacetone; oxypheylon; raspberry ketone; oxanone; 4-(4-hydroxyphenyl)butan-2-one; 4-(p-hydroxyphenyl)butan-2-one
731.	Dihydroxyacetophenone	729	07.135	3662	1-(x,y-Dihydroxyphenyl)ethanone; dihydroxyphenyl methyl ketone; dioxyacetophenone; mixture of 1-(x,y-dihydroxyphenyl)ethanones; 2,4-dihydroxyacetophenone
732.	Zingerone	730	07.005	3124	Vanillylacetone; 4-hydroxy-3-methoxybenzylacetone; 2-(4-hydroxy-3-methoxyphenyl)ethyl methyl ketone; 4-(4-hydroxy-3-methoxyphenyl)-2-butanone
733.	4-(p-Acetoxyphenyl)-2-butanone	731	09.288	3652	4-(p-hydroxyphenyl)-2-butanone acetate; 4-(3-oxobutyl)phenylacetate; p-(2-acetyethyl)phenylacetate; 4-(4-acetoxyphenyl)butan-2-one
734.	Vanillylidene acetone	732	07.046	3738	4-(4-Hydroxy-3-methoxyphenyl)but-3-en-2-one
735.	4-(1,1-Dimethylethyl)phenol	733	04.064	-	4-tert-Butylphenol; p-tert-butylphenol; 1-hydroxy-4-tert-butylbenzene
736.	Phenyl acetate	734	09.688	-	Phenolacetate; acetoxybenzene
737.	2-Phenylphenol	735	-	-	Anthrapole 73; o-hydroxy biphenyl; xenol; o-phenylphenol; OPP; dowicide 1; 2-biphenylol; torsite
738.	Phenyl salicylate	736	09.689	-	2-Hydroxybenzoic acid,

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					phenyl ester; salol
739.	2,3,6-Trimethylphenol	737	04.085	-	3-Hydroxypseudocumene; methyl xlenol-2,3,6
740.	Furfuryl acetate	739	13.128	2490	2-Furanmethanol acetate; 2-furylcarbonylacetate
741.	Furfuryl propionate	740	13.062	3346	Furfurylpropanoate
742.	Furfuryl pentanoate	741	13.068	3397	alpha-Furfuryl pentanoate; alpha-furfuryl valerate; furfuryl valerate
743.	Furfuryl octanoate	742	13.067	3396	alpha-Furfuryl caprylate; alpha-furfuryl octanoate
744.	Furfuryl 3-methylbutanoate	743	13.057	3283	Furfuryl isovalerate
745.	5-Methylfurfural	745	13.001	2702	5-methyl-2-furfuraldehyde
746.	Methyl 2-furoate	746	13.002	2703	2-Furoic acid, methyl ester; methylfuroate; methylpyromucate
747.	Propyl 2-furoate	747	13.003	2946	n-Propyl pyromucate; propyl furan-2-carboxylate; 2-furoic acid, propyl ester
748.	Amyl 2-furoate	748	13.025	2072	Amyl furan-2-carboxylate; pentyl furan-2-carboxylate; pentyl 2-furoate
749.	Hexyl 2-furoate	749	13.005	2571	Hexyl furan-2-carboxylate
750.	Octyl 2-furoate	750	13.073	3518	Octyl 2-furancarboxylate
751.	2-Benzofurancarboxaldehyde	751	13.031	3128	2-Formylbenzofuran; 2-benzofurancarboxaldehyde
752.	2-Phenyl-3-Carboethoxyfuran	752	13.038	3468	Phenyl oxaromate; ethyl 2-phenyl-3-furoate
753.	Pulegone	753	-	2963	delta-4(8)-p-Menthen-3-one; 5-Methyl-2-(1-methylethylidene)cyclohexanone; 1-isopropylidene-4-methyl-2-cyclohexanone; 1-methyl-4-isopropylidene-3-cyclohexanone; p-menth-4(8)-en-3-one
754.	Isopulegone	754	07.067	2964	1-Methyl-4-isopropenyl-3-cyclohexanone; lambda-8(9)-p-menthen-3-one; 1-

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					isopropenyl-4-methyl-2-cyclohexanone; p-menth-8-en-3-one, trans-; 2R,5S-isopulegone
755.	Isopulegol	755	02.067	2962	p-Menth-8-en-3-ol; 8(9)-p-menthen-3-ol; 1-methyl-4-isopropenylcyclohexan-3-ol; 1R,2S,5R-isopulegol
756.	Isopulegyl acetate	756	09.219	2965	1-Methyl-4-isopropenylcyclohexan-3-yl acetate; acetylated citronellal; isopulegyl acetate; 1R,2S,5R-isopulegyl acetate
757.	p-Menth-1,4(8)-dien-3-one	757	07.127	3560	3-Methyl-6-(1-methylethylidene)cyclohex-2-en-1-one; piperitenone; 1-methyl-4-isopropylidene-1-cyclohexen-3-one; p-mentha-1,4(8)-dien-3-one
758.	Menthofuran	758	-	3235	4,5,6,7-Tetrahydro-3,6-dimethylbenzofuran
759.	Furfuryl butyrate	759	13.130	-	2-furylmethylbutanoate
760.	Cinnamyl benzoate	760	09.780	-	3-Phenyl-2-propenyl benzoate
761.	2-Methylpyrazine	761	14.027	3309	Methylpyrazine; 2-methyl-1,4-diazine
762.	2-Ethylpyrazine	762	14.022	3281	Ethylpyrazine; 2-ethyl-1,4-diazine
763.	2-Propylpyrazine	763	14.142	3961	Propylpyrazine; 2-propyl-1,4-diazine
764.	2-Isopropylpyrazine	764	14.123	3940	Isopropylpyrazine; 2-isopropyl-1,4-diazine
765.	2,3-Dimethylpyrazine	765	14.050	3271	2,3-Dimethyl-1,4-diazine
766.	2,5-Dimethylpyrazine	766	14.020	3272	2,5-Dimethyl-1,4-diazine; glycoline; ketine
767.	2,6-Dimethylpyrazine	767	14.021	3273	2,6-Dimethyl-1,4-diazine; 2,6-dimethyl-p-diazine
768.	2-Ethyl-3-methylpyrazine	768	14.006	3155	2-Ethyl-3-methyl-1,4-diazine; 2-methyl-3-ethylpyrazine
769.	2-Ethyl-6-methylpyrazine	769	14.114	3919	2-Ethyl-6-methyl-1,4-diazine
770.	2-Ethyl-5-methylpyrazine	770	14.017	3154	2-Methyl-5-ethylpyrazine; 2-ethyl-5-methyl-1,4-diazine
771.	2,3-Diethylpyrazine	771	14.005	3136	2,3-Diethyl-1,4-diazine

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772.	2-Methyl-5-isopropylpyrazine	772	14.026	3554	2-Isopropyl-5-methylpyrazine; 5-isopropyl-2-methylpyrazine; 2-methyl-5-isopropyl-1,4-diazine
773.	2-Isobutyl-3-methylpyrazine	773	14.044	3133	2-Methyl-3-isobutylpyrazine; 2-(2-methylpropyl)-3-methylpyrazine; 2-isobutyl-3-methyl-1,4-diazine
774.	2,3,5-Trimethylpyrazine	774	14.019	3244	trimethylpyrazine; 2,3,5-trimethyl-1,4-diazine
775.	2-Ethyl-3,(5 or 6)-dimethylpyrazine	775	14.100	3149	Mixture of 2-ethyl-3,5-dimethylpyrazine and 3-ethyl-2,5-dimethylpyrazine; 3,(5- or 6)-dimethyl-2-ethylpyrazine
776.	2-Ethyl-3,5-dimethylpyrazine	776	14.024	3150	2,6-Dimethyl-3-ethylpyrazine; 3-Ethyl-2,6-dimethylpyrazine
777.	2,3-Diethyl-5-methylpyrazine	777	14.056	3336	2-Methyl-5,6-diethylpyrazine; 2,3-diethyl-5-methyl-1,4-diazine
778.	2,5-Diethyl-3-methylpyrazine	778	14.096	3915	2,5-Diethyl-3-methyl-1,4-diazine
779.	3,5-Diethyl-2-methylpyrazine	779	14.095	3916	2-Methyl-3,5-diethyl-1,4-diazine
780.	2,3,5,6-Tetramethylpyrazine	780	14.018	3237	Tetramethylpyrazine; tetramethyl-1,4-diazine
781.	5-Methyl-6,7-dihydro-5H-cyclopentapyrazine	781	14.037	3306	6,7-Dihydro-5-methyl-5H-cyclopentapyrazine; (5h)-5-methyl-6,7-dihydrocyclopenta(b)pyrazine; maple lactone pyrazine
782.	6,7-Dihydro-2,3-dimethyl-5H-cyclopentapyrazine	782	14.098	3917	(5H)-2,3-Dimethyl-6,7-dihydrocyclopenta(b)pyrazine
783.	(Cyclohexylmethyl)pyrazine	783	14.069	3631	(Pyrazinylmethyl)cyclohexane; 2-pyrazinylcyclohexylmethane; cyclohexylmethylpyrazine

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784.	2-Acetylpyrazine	784	14.032	3126	Acetylpyrazine;methylpyrazinylketone
785.	2-Acetyl-3-ethylpyrazine	785	14.049	3250	2-Acetyl-3-ethyl-1,4-diazine;3-ethyl-2-pyrazinylmethylketone
786.	2-Acetyl-3,(5 or 6)-dimethylpyrazine	786	14.055	3327	Mixture of 3-acetyl-2,5-dimethylpyrazine and 3-acetyl-2,6-dimethylpyrazine; 2-acetyl-3,5-dimethylpyrazine and 3-acetyl-2,5-dimethylpyrazine
787.	Methoxypyrazine	787	14.054	3302	2-methoxy-1,4-diazine;2-methoxypyrazine
788.	2-Methoxy-(3,5 or 6)-methylpyrazine	788	14.025	3183	2 or 5 or 6-Methoxy-3-methyl-1,4-diazine; mixture of 2-methoxy-3-methylpyrazine and 2-methoxy-5-methylpyrazine and 2-methoxy-6-methylpyrazine; 2,5 or 6-methoxy-3-methylpyrazine
789.	Ethyl-(3,5 or 6)-methoxypyrazine (85%) and 2-Methyl-(3,5 or 6)-methoxypyrazine (13%)	789	14.077	3280	mixture of 2-ethyl-3-methoxypyrazine and 2-ethyl-5-methoxypyrazine and 2-ethyl-6-methoxypyrazine and 2-methyl-3-methoxypyrazine and 2-methyl-5-methoxypyrazine and 2-methyl-6-methoxypyrazine
790.	2-Methoxy-(3,5 or 6)-isopropylpyrazine	790	14.121	3358	Mixture of 2-isopropyl-3-methoxypyrazine and 2-isopropyl-5-methoxypyrazine and 2-isopropyl-6-methoxypyrazine; methoxyisopropylpyrazine mixture; 2- isopropyl-(3,5 or 6)-methoxypyrazine

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791.	2-Methoxy-3-(1-methylpropyl)pyrazine	791	14.062	3433	2-(1-Methylpropyl)-3-methoxypyrazine; 2-methoxy-3-sec-butylpyrazine;2-sec-butyl-3-methoxypyrazine;2-(2-butyl)-3-methoxypyrazine; 2-(sec-butyl)-3-methoxypyrazine
792.	2-Isobutyl-3-methoxypyrazine	792	14.043	3132	2-Isobutyl-3-methoxypyrazine; 2-methoxy-3-isobutylpyrazine
793.	2-Methyl-3 (or 5 or 6)-ethoxypyrazine	793	14.067	3569	Mixture of 2-methyl-3-ethoxypyrazine and 2-methyl-5-ethoxypyrazine and 2-methyl-6-ethoxypyrazine; 2-ethoxy-3or5or6-methylpyrazine
794.	2-(Mercaptomethyl)pyrazine	794	14.053	3299	Pyrazinemethanethiol; pyrazinylmethylmercaptan; mercaptomethylpyrazine
795.	2-Pyrazinylethanethiol	795	14.031	3230	Pyrazinylethylmercaptan
796.	Pyrazinyl methyl sulfide	796	14.034	3231	2-(Methylthio)pyrazine; benzalglycerin; mixture of 2-phenyl-5-hydroxy-1,3-dioxane and 2-phenyl-4-hydroxymethyl-1,3-dioxolane
797.	(3,5 or 6)-(Methylthio)-2-methylpyrazine	797	14.035	3208	Mixture of 2-methyl-3-(methylthio)pyrazine and 2-methyl-5-(methylthio)pyrazine and 2-methyl-6-(methylthio)pyrazine; 2-methyl-3,5-or6-methylthiopyrazine;methylpyrazinylmethylsulfides (mixture)
798.	5-Methylquinoxaline	798	14.028	3203	5-Methyl-1,4-benzodiazine
799.	alpha-Methylbenzyl alcohol	799	02.064	2685	1-Phenylethanol;phenylmethylcarbinol;methylphenyl

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					carbinol;styrallyl alcohol;alpha-phenethyl alcohol; 1-phenylethan-1-ol
800.	alpha-Methylbenzyl formate	800	09.179	2688	1-Phenylethyl formate; methylphenylcarbinylformate;styrallylformate; 1-phenethyl formate
801.	alpha-Methylbenzyl acetate	801	09.178	2684	1-Phenylethyl acetate; alpha-phenethylacetate;methylphenylcarbinylacetate;phenylmethylcarbinylacetate;styrallylacetate; 1-phenethyl acetate
802.	alpha-Methylbenzyl propionate	802	09.144	2689	1-Phenylethyl propionate; alpha-phenylethylpropionate;methylphenylcarbinylpropionate;styrallylpropionate; 1-phenethyl propionate
803.	alpha-Methylbenzyl butyrate	803	09.231	2686	1-Phenylethyl butyrate; methylphenylcarbinylbutyrate;alpha-phenylethylbutyrate;styrallylbutyrate; 1-phenethyl butyrate
804.	alpha-Methylbenzyl isobutyrate	804	09.486	2687	1-Phenylethyl 2-methylpropanoate; 1-phenylethylisobutyrate;methylphenylcarbinylisobutyrate;stryallylisobutyrate;alpha-phenethyl-2-methylpropanoate; 1-phenethyl isobutyrate
805.	p,alpha Dimethylbenzyl alcohol	805	02.080	3139	1-(4-Methylphenyl)ethanol; 1-p-tolyethanol;p-tolylmethylcarbinol;methylp-tolylcarbinol; 1-(p-tolyl)ethan-1-ol
806.	Acetophenone	806	07.004	2009	Acetylbenzene;methylphenylketone;phenylmethylketone
807.	4-Methylacetophenone	807	07.022	2677	1-(4-Methylphenyl)ethanone;p-methylacetophenone;p-

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					acetyltoluene;methylp-tolylketone;1-acetyl-4-methylbenzene
808.	P-Isopropylacetophenone	808	07.042	2927	1-(4-Isopropylphenyl)ethanone ; acetocumene;p-acetylcumene;methylp-isopropylphenylketone;p-isopropylacetylbenzene; 4-isopropylacetophenone
809.	2,4-Dimethylacetophenone	809	07.023	2387	1-(2,4-Dimethylphenyl)ethanone ; acetyl-m-xylene;methyl2,4-dimethylphenylketone
810.	Acetanisole	810	07.038	2005	1-(4-Methoxyphenyl)ethanone; 4-acetylanisole;p-methoxyacetophenone;p-acetylanisole;4-methoxyacetophenone;methyl4-methoxyphenylketone
811.	Methyl beta-naphthyl ketone	811	07.013	2723	1-(2-Naphthyl)ethanone; beta-acetylnaphthalene;methyl 2-naphthylketone;acetone D;oranger crystals
812.	4-Acetyl-6-t-butyl-1,1-dimethylindan	812	-	3653	4-Acetyl-6-(1,1-dimethylethyl)-1,1-dimethylindane; ABDI
813.	1-(p-Methoxyphenyl)-2-propanone	813	07.087	2674	1-(4-Methoxyphenyl)-2-propanone; anisicketone;anisylmethyl ketone;4-methoxyphenylacetone
814.	alpha-Methylphenethyl butyrate	814	09.249	3197	1-Methyl-2-phenylethyl butyrate; 1-phenyl-2-propylbutyrate;methylbenzylcarbinylbutyrate; 1-methyl-2-phenethyl butyrate
815.	4-Phenyl-2-butanol	815	02.036	2879	Methyl2-phenylethylcarbinol;phenylethylmethylcarbinol; 4-phenylbutan-2-ol
816.	4-Phenyl-2-butyl acetate	816	09.200	2882	1-Methyl-3-phenylpropyl acetate;

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					phenylethylmethylcarbinylacetate
817.	4-(p-Tolyl)-2-butanone	817	07.026	3074	4-(4-Methylphenyl)-2-butanone; p-methylbenzylacetone; 4-(p-tolyl)butan-2-one
818.	4-(p-Methoxyphenyl)-2-butanone	818	07.029	2672	4-(4-Methoxyphenyl)-2-butanone; anisylacetone; methyloxanone; brambleketone; raspberrerryketonemethylether; p-methoxybenzylacetone; 4-(4-methoxyphenyl)butan-2-one
819.	4-Phenyl-3-buten-2-ol	819	02.066	2880	Methylstyrylcarbinol; homocinnamylalcohol; 4-phenylbut-3-en-2-ol
820.	4-Phenyl-3-buten-2-one	820	07.024	2881	Benzylideneacetone; methylstyrylketone; 4-phenyl-2-buten-2-one; 4-phenylbut-3-en-2-one
821.	3-Methyl-4-phenyl-3-buten-2-one	821	07.027	2734	3-Benzylidene-2-butanone; benzylidenemethylketone; benzylidenemethylacetone; 3-methyl-4-phenylbut-3-en-2-one
822.	1-Phenyl-1-propanol	822	02.033	2884	1-Phenylpropanol; Ethylphenylcarbinol; phenylethylcarbinol; alpha-ethylbenzylalcohol; 1-phenylpropylalcohol; 1-phenylpropan-1-ol
823.	alpha-Ethylbenzyl butyrate	823	09.189	2424	1-Phenylpropyl butyrate; ethylphenylcarbinolbutyrate; alpha-phenylpropylbutyrate
824.	Propiophenone	824	07.040	3469	1-Phenyl-1-propanone; Phenylethylketone; propionylbenzene; ethylphenylketone; 1-phenylpropan-1-one
825.	alpha-Propylphenethyl alcohol	825	02.034	2953	1-Phenyl-2-pentanol; benzylpropylcarbinol; benzylbutylalcohol; n-propylbenzylcarbinol; 1-phenylpentan-2-ol

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826.	1-(p-Methoxyphenyl)-1-penten-3-one	826	07.030	2673	1-(4-Methoxyphenyl)-1-penten-3-one; ethone; alpha-methylanisylideneacetone; alpha-methylanisalacetone; p-methoxystyrylethylketone; 1-(4-methoxyphenyl)pent-1-en-3-one
827.	alpha-Isobutylphenethyl alcohol	827	02.065	2208	4-Methyl-1-phenyl-2-pentanol; 2-methylpropylbenzylcarbinol; benzylisobutylcarbinol; isobutylbenzylcarbinol; benzylisoamylacetone; 4-methyl-1-phenylpentan-2-ol
828.	4-Methyl-1-phenyl-2-pentanone	828	07.025	2740	Benzylisobutylketone; isobutylbenzylketone; benzyl 2-methylpropylketone; 4-methyl-1-phenylpentan-2-one
829.	1-(4-Methoxyphenyl)-4-methyl-1-penten-3-one	829	07.049	3760	Alpha, alpha-dimethylanisalacetone; isopropylp-methoxystyrylketone; homoeone; 1-(4-methoxyphenyl)-4-methylpent-1-en-3-one
830.	3-Benzyl-4-heptanone	830	07.070	2146	Benzylpropylketone; 1-phenyl-2-ethyl-3-hexanone; morellone; 3-benzylheptan-4-one
831.	Benzophenone	831	07.032	2134	Diphenylketone; benzoylbenzene; phenylketone
832.	1,3-Diphenyl-2-propanone	832	07.086	2397	Benzylketone; dibenzylketone; alpha, alpha-diphenylacetone; 1,3-diphenylpropan-2-one
833.	1-Phenyl-1,2-propanedione	833	07.079	3226	Acetylbenzoyl; methylphenyldiketone; methylphenylglyoxal; 1-phenylpropan-1,2-dione
834.	Ethyl benzoylacetate	834	09.476	2423	Ethyl 3-phenyl-3-oxopropionate;

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					benzoylacetate; ethyl beta-keto-beta-phenylpropionate; ethyl 3-phenyl-3-oxopropionate
835.	Ethyl 2-acetyl-3-phenylpropionate	835	09.501	2416	Ethylbenzylacetate; ethyl alpha-acetylhydrocinnamate; ethyl 2-acetyldihydrocinnamate
836.	Benzoin	836	07.028	2132	2-Hydroxy-1,2-diphenylethanone; benzoylphenylcarbinol; 2-hydroxy-2-phenylacetophenone
837.	Benzaldehyde dimethyl acetal	837	06.003	2128	(Dimethoxymethyl)benzene; alpha,alpha-dimethoxytoluene
838.	Benzaldehyde glyceryl acetal	838	06.002	2129	Mixture of 5-hydroxy-2-phenyl-1,3-dioxane and 4-(hydroxymethyl)-2-phenyl-1,3-dioxolane; benzalglycerin; mixture of 2-phenyl-5-hydroxy-1,3-dioxane and 2-phenyl-4-hydroxymethyl-1,3-dioxolane; 5-hydroxy-2-phenyl-1,3-dioxane
839.	Benzaldehyde propylene glycol acetal	839	06.032	2130	4-Methyl-2-phenyl-1,3-dioxolane; 4-methyl-2-phenyl-m-dioxolane
840.	Benzyl 2-methoxyethyl acetal	840	06.019	2148	1-Benzyloxy-1-(2-methoxyethoxy)ethane; acetaldehydebenzyl 2-methoxyethyl mixed acetal; 1-benzyloxy-1-(2-methoxyethoxy)ethane
841.	Benzyl formate	841	09.077	2145	Benzylmethanoate
842.	Benzyl propionate	842	09.132	2150	Benzylpropanoate
843.	Benzyl butyrate	843	09.051	2140	Benzyl butanoate; benzyl n-butyrate; aldehyde C-19
844.	Benzyl isobutyrate	844	09.426	2141	Benzyl 2-methylpropanoate; phenyl methylisobutyrate; pineapple aldehyde C-19
845.	Benzyl isovalerate	845	09.458	2152	Benzylisovalerianate; benzyl-3-methylbutyrate; benzylisopentanoate

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846.	Benzyl trans-2-methyl-2-butenolate	846	09.494	3330	Benzyl 2-methyl-trans-2-butenolate; benzyltiglate; benzyl-2-methylcrotonate; benzyltrans-2,3-dimethyl-acrylate; benzyl 2-methylcrotonate
847.	Benzyl 2,3-dimethylcrotonate	847	09.508	2143	Benzyl 2,3-dimethyl-trans-2-butenolate; benzylmethyltiglate
848.	Benzyl acetoacetate	848	09.406	2136	Benzyl 3-oxobutyrate; benzylacetylacetate;benzyl beta-ketobutyrate;benzyl3-oxobutanoate; benzyl 3-oxobutyrate
849.	Benzyl phenylacetate	849	09.705	2149	Benzylalpha-toluene;phenylmethylphenylacetate
850.	Benzoic acid	850	08.021	2131	Benzenecarboxylic acid;carboxy benzene;phenyl formic acid; dracylic acid
851.	Methyl benzoate	851	09.725	2683	Methyl benzenecarboxylate;oil of niobe;niobe oil
852.	Ethyl benzoate	852	09.726	2422	Ethyl benzenecarboxylate
853.	Propyl benzoate	853	09.776	2931	n-Propyl benzenecarboxylate
854.	Hexyl benzoate	854	09.768	3691	Agrumat;n-hexyl benzenecarboxylate
855.	Isopropyl benzoate	855	09.770	2932	1-methylethylbenzoate
856.	Isobutyl benzoate	856	09.757	2185	Isobutyl benzenecarboxylate;2-methylpropyl benzoate;eglantine
857.	Isoamyl benzoate	857	09.755	2058	Isopentyl benzoate; 3-methylbutylbenzoate
858.	cis-3-Hexenyl benzoate	858	09.806	3688	(Z)-Hex-3-enyl benzoate

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859.	Linalyl benzoate	859	09.771	2638	1,5-Dimethyl-1-vinylhex-4-enyl benzoate; linalool benzoate;3,7-dimethyl-1,6-octadien-3-ylbenzoate
860.	Geranyl benzoate	860	09.767	2511	3,7-Dimethylocta-2(trans),6-dienyl benzoate; geraniol benzoate;trans-3,7-dimethyl-2,6-octadien-1-yl benzoate
861.	Glyceryl tribenzoate	861	09.812	3398	Propanetri-1,2,3-yl tribenzoate; tribenzoin
862.	Propylene glycol dibenzoate	862	09.803	3419	Propan-1,2-diyl dibenzoate
863.	Methylbenzyl acetate (mixed o,m,p)	863	09.294	3702	Mixture of o-methylbenzyl acetate and m-methylbenzyl acetate and p-methylbenzyl acetate; acetoxymethyl-toluene(o,m,p);tolubenzyl acetate(o,m,p);tolyl carbonyl acetate(o,m,p);tolyl acetate; 2-methylbenzyl acetate
864.	p-Isopropylbenzyl alcohol	864	02.039	2933	4-Isopropylbenzyl alcohol; cuminal alcohol; cuminol; cuminyl alcohol;cuminic alcohol;p-cymen-7-ol
865.	4-Ethylbenzaldehyde	865	05.068	3756	p-Ethylbenzaldehyde
866.	Tolualdehydes (mixed o,m,p)	866	05.027	3068	Mixture of o-methylbenzaldehyde and m-methylbenzaldehyde and p-methylbenzaldehyde; toluic aldehyde(mixed o,m,p);tolyl aldehyde(mixed o,m,p); tolualdehyde
867.	Tolualdehyde glyceryl acetal (mixed isomers)	867	06.012	3067	Mixture of 2-(2,3 and 4-methylphenyl)-5-hydroxy-1,3-dioxane and 2-(2,3 and 4-methylphenyl)-5-

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					hydroxymethyl-1,3-dioxolane; mixture of tolyl glycerin;2-(o,m,p-cresyl)-5-hydroxy dioxane and 2-(o,m,p-cresyl)-5-hydroxymethyldioxolane
868.	Cuminaldehyde	868	05.022	2341	Cumaldehyde;cuminal;cuminic aldehyde;p-isopropylbenzaldehyde; 4-isopropylbenzaldehyde
869.	2,4-Dimethylbenzaldehyde	869	05.110	3427	2,4-Xylylaldehyde;1-formyl-2,4-dimethylbenzene
870.	Butyl p-hydroxybenzoate	870	-	2203	Butyl paraben; butyl parasept; butyl 4-hydroxybenzoate
871.	Anisyl alcohol	871	02.128	2099	4-Methoxybenzyl alcohol; anisalcohol;anise alcohol;anisic alcohol;p-anisyl alcohol
872.	Anisyl formate	872	09.087	2101	4-Methoxybenzyl formate;p-methoxybenzyl formate;anisyl methanoate;p-anisyl formate
873.	Anisyl acetate	873	09.019	2098	4-Methoxybenzyl acetate; p-methoxybenzyl acetate;1-methoxy-4-acetoxymethylbenzene;ca ssie ketone; p-anisyl acetate
874.	Anisyl propionate	874	09.145	2102	4-Methoxybenzyl propanoate; p-methoxybenzyl propionate;anisyl propanoate; p-anisyl propionate
875.	Anisyl butyrate	875	09.058	2100	4-Methoxybenzyl butanoate; p-methoxybenzyl butyrate; p- anisyl butyrate
876.	Anisyl phenylacetate	876	09.706	3740	4-Methoxybenzyl phenylacetate; anisyl alpha-toluene;p-methoxybenzyl phenylacetate
877.	Veratraldehyde	877	05.017	3109	3,4-Dimethoxybenzaldehyde; methyl vanillin; protocatechualdehyde dimethyl ether; vanillin

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					methyl ether; veratric aldehyde
878.	p-Methoxybenzaldehyde	878	05.015	2670	4-Methoxybenzaldehyde; p-anisaldehyde; anisic aldehyde; aubepine
879.	p-Ethoxybenzaldehyde	879	05.056	2413	4-Ethoxybenzaldehyde; homoanisaldehyde
880.	Methyl o-methoxybenzoate	880	09.796	2717	Methyl-2-methoxybenzoate; methyl o-anisate; methyl salicylate methyl ether; dimethyl salicylate
881.	2-Methoxybenzoic acid	881	-	3943	o-Anisic acid; o-methoxybenzoic acid; salicylic acid methyl ether
882.	3-Methoxybenzoic acid	882	08.092	3944	m-Anisic acid; m-methoxybenzoic acid
883.	4-Methoxybenzoic acid	883	08.071	3945	Anisic acid; p-anisic acid; p-methoxybenzoic acid; draconic acid
884.	Methyl anisate	884	09.713	2679	Methyl-4-methoxybenzoate; methyl p-methoxybenzoate; methyl p-anisate
885.	Ethyl p-anisate	885	09.714	2420	Ethyl 4-methoxybenzoate; ethyl p-methoxybenzoate; ethyl anisate
886.	Vanillyl alcohol	886	02.213	3737	4-Hydroxy-3-methoxybenzyl alcohol
887.	Vanillyl ethyl ether	887	04.094	3815	VEE; ethyl 4-hydroxy-3-methoxybenzyl ether; 4-(ethoxymethyl)-2-methoxyphenol
888.	Vanillyl butyl ether	888	04.093	3796	4-(Butoxymethyl)-2-methoxyphenol; butyl vanillyl ether
889.	Vanillin	889	05.018	3107	4-Hydroxy-3-methoxybenzaldehyde; vanillaldehyde; vanillic aldehyde; methylprotocatechuic aldehyde
890.	Vanillin acetate	890	09.035	3108	4-Acetoxy-3-methoxybenzaldehyde; acetylvainillin; 3-methoxy-4-acetoxybenzaldehyde; vanillyl acetate

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891.	Vanillin isobutyrate	891	09.811	3754	4-Formyl-2-methoxyphenyl-2-methylpropanoate; 4-hydroxy-3-methoxybenzaldehyde; 4-hydroxy-m-anisaldehyde 2-methylpropionate
892.	Ethyl vanillin beta-d-glucopyranoside	892	16.075	3801	Glucoethylvanillin
893.	Ethyl vanillin	893	05.019	2464	3-Ethoxy-4-hydroxybenzaldehyde; 3-ethoxy protocatechualdehyd; bourbonaethylprotal
894.	Piperonyl acetate	894	09.220	2912	3,4-Methylenedioxybenzyl acetate; heliotropylacetate; heliotropinacetate
895.	Piperonyl isobutyrate	895	09.430	2913	3,4-Methylenedioxybenzyl isobutyrate; heliotropyl 2-methylpropanoate
896.	Piperonal	896	05.016	2911	3,4-Methylenedioxybenzaldehyde; heliotropin; piperonylaldehyde
897.	Salicylaldehyde	897	05.055	3004	2-Hydroxybenzaldehyde; o-hydroxybenzaldehyde; salicylal
898.	2-Hydroxy-4-methylbenzaldehyde	898	05.091	3697	2,4-Cresotaldehyde; 4-methylsalicylaldehyde
899.	Methyl salicylate	899	09.749	2745	Methyl 2-hydroxybenzoate; methyl 2-hydroxybenzoate; synthetic wintergreen oil; synthetic sweet birch oil; synthetic cherry oil
900.	Ethyl salicylate	900	09.748	2458	Ethyl 2-hydroxybenzoate; ethyl o-hydroxybenzoate; salicylic ether; saether
901.	Butyl salicylate	901	09.763	3650	Butyl 2-hydroxybenzoate; n-butyl 2-hydroxybenzoate; nefolia
902.	Isobutyl salicylate	902	09.750	2213	Isobutyl 2-hydroxybenzoate; isobutyl 2-hydroxybenzoate; 2-methylpropyl 2-

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					hydroxybenzoate
903.	Isoamyl salicylate	903	09.751	2084	Isopentyl 2-hydroxybenzoate; isopentyl salicylate; isoamyl o-hydroxybenzoate
904.	Benzyl salicylate	904	09.752	2151	Benzyl 2-hydroxybenzoate; benzylo-hydroxybenzoate
905.	Phenethyl salicylate	905	09.753	2868	2-Phenylethyl 2-hydroxybenzoate; benzylcarbonyl 2-hydroxybenzoate; 2-phenylethylsalicylate
906.	o-Tolyl salicylate	907	09.807	3734	2-Methylphenyl 2-hydroxybenzoate; o-cresylsalicylate
907.	2,4-Dihydroxybenzoic acid	908	08.076	3798	beta-Resorcylicacid
908.	Glycerol	909	-	2525	1,2,3-Propanetriol; glycerol; trihydroxypropane; glycerin
909.	3-Oxohexanoic acid diglyceride	910	09.555	3770	2,3-Dihydroxypropyl 3-oxohexanoate; 3-oxohexanoic acid glyceride
910.	3-Oxooctanoic acid glyceride	911	09.556	3771	2,3-Dihydroxypropyl 3-oxooctanoate
911.	Heptanal glyceryl acetal (mixed 1,2 and 1,3 acetals)	912	06.029	2542	Mixture of 2-hexyl-4-hydroxymethyl-1,3-dioxolane and 2-hexyl-5-hydroxy-1,3-dioxane; heptaldehyde glyceryl acetal
912.	1,2,3-Tris[(1'-ethoxy)ethoxy]propane	913	06.040	3593	1,2,3-Tris[(1'-ethoxy)ethoxy] propane; acetaldehyde ethyl glyceryl mixed acetal
913.	3-Oxodecanoic acid glyceride	914	09.552	3767	2,3-Dihydroxypropyl 3-oxodecanoate
914.	3-Oxododecanoic acid glyceride	915	09.553	3768	2,3-Dihydroxypropyl 3-oxododecanoate
915.	3-Oxotetradecanoic acid glyceride	916	09.557	3772	2,3-Dihydroxypropyl 3-oxotetradecanoate
916.	3-Oxohexadecanoic acid glyceride	917	09.554	3769	2,3-Dihydroxypropyl 3-oxohexadecanoate

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917.	Glyceryl monostearate	918	-	2527	2,3-Dihydroxypropyl octadecanoate; Monostearin; alpha-monostearin; 1-glycerylmonooctadecanoate
918.	Glyceryl monooleate	919	-	2526	2,3-Dihydroxypropyl 9-octadecenoate; Monoolein
919.	Triacetin	920	-	2007	1,2,3-Triacetoxyp propane; glyceryltriacetate; triacetyl glycerine; enzactin
920.	Glyceryl tripropionate	921	09.263	3286	1,2,3-Tri(propionyloxy)propane; tripropionin; glyceryltripropionate
921.	Tributyrin	922	09.211	2223	1,2,3-Tri(butyryloxy)propane; butyrin; glyceryl tributyrate
922.	Glycerol 5-hydroxydecanoate	923	09.543	3685	2,3-Dihydroxypropyl 5-hydroxydodecanoate
923.	Glycerol 5-hydroxydodecanoate	924	09.544	3686	2,3-Dihydroxypropyl 5-hydroxydodecanoate
924.	Propylene glycol stearate	926	-	2942	2-Hydroxypropyl octadecanoate; propylene glycol monooctadecanoate
925.	1,2-Di[(1-ethoxy)ethoxy]propane	927	06.039	3534	1,2-di[(1'-Ethoxy)-ethoxy]propane, acetaldehyde ethyl propylene glycol mixed acetal
926.	4-Methyl-2-pentyl-1,3-dioxolane	928	06.094	3630	4-Methyl-2-pentyl-1,3-dioxolane, hexanal propylene glycol cyclic acetal
927.	2,2,4-Trimethyl-1,3-oxacyclopentane	929	06.098	3441	2,2,4-Trimethyl-1,3-dioxolane, acetone propylene glycol ketal
928.	Lactic acid	930	08.004	2611	2-Hydroxypropanoic acid; 2-hydroxy-propionic acid; alpha-Hydroxypropanoic acid
929.	Ethyl lactate	931	09.433	2440	Ethyl 2-hydroxypropanoate, ethyl alpha-hydroxypropionate
930.	Butyl lactate	932	09.434	2205	Butyl 2-hydroxypropanoate, n-butyl alpha-hydroxypropionate
931.	Potassium 2-(1'-ethoxy)	933	16.039	3752	Potassium 2-(1'-ethoxy)

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	ethoxy)ethoxypropanoate				ethoxypropanoate; 1-ethoxyethyl ether of potassium lactate
932.	cis-3-Hexenyl lactate	934	09.545	3690	cis-3-Hexenyl 2-hydroxypropanoate, leaf lactate; hex-(3Z)-enyl lactate
933.	Butyl butyryllactate	935	09.491	2190	Butyl 2-butyryloxypropanoate, butyl butyrolactate; butyl-O-butyryllactate
934.	Pyruvic acid	936	08.019	2970	2-Oxopropanoic acid, 2-ketopropionic acid; acetylformic acid; pyrroacemic acid
935.	Pyruvaldehyde	937	07.001	2969	2-Oxopropanal, methylglyoxal; 2-ketopropionaldehyde; acetylformaldehyde
936.	Ethyl pyruvate	938	09.442	2457	Ethyl 2-oxopropanoate, ethyl acetylformate; ethyl alpha-ketopropionate; ethyl pyrroacemate
937.	Isoamyl pyruvate	939	09.443	2083	3-Methylbutyl 2-oxopropanoate, isopentyl pyruvate; isoamyl pyrroacemate
938.	1,1-Dimethoxyethane	940	06.015	2436	Acetaldehyde dimethyl acetal; dimethyl acetal; ethylidene dimethyl ether
939.	Acetal	941	06.001	2002	1,1-Diethoxyethane, acetaldehyde diethyl acetal; diethylacetal; ethylidene diethyl ether
940.	Octanal dimethyl acetal	942	06.008	2798	1,1-Dimethoxyoctane, aldehyde C-8 dimethyl acetal; capryl aldehyde dimethyl acetal; resedyl acetal
941.	Acetaldehyde ethyl cis-3-hexenyl acetal	943	06.081	3775	1-Ethoxy-1-(cis-3-hexenyloxy) ethane, ethylcis-3-hexenylacetal; leafacetal; leafalcohol ethylacetal; (Z)-1-ethoxy-1-(3-hexenyloxy)ethane
942.	Citral dimethyl acetal	944	06.005	2305	1,1-Dimethoxy-3,7-dimethyl-2,6-octadiene, 3,7-dimethyl-2,6-octadienyldimethylacetal

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943.	Decanal dimethyl acetal	945	06.009	2363	1,1-Dimethoxydecane, aldehyde C-10 dimethyl acetal;capraldehyde dimethyl acetal
944.	2,6-Nonadienal diethyl acetal	946	06.025	3378	1,1-Diethoxy-2,6-nonadiene; 1,1-diethoxynona-2,6-diene
945.	Heptanal dimethyl acetal	947	06.028	2541	1,1-Dimethoxyheptane, enanthal dimethyl acetal;oenanthal dimethyl acetal;heptaldehyde dimethyl acetal
946.	Citral diethyl acetal	948	06.004	2304	1,1-Diethoxy-3,7-dimethyl-2,6-octadiene; Citrathal;3,7-dimethyl-2,6-octadienal diethyl acetal
947.	4-Heptenal diethyl acetal	949	06.037	3349	1,1-Diethoxy-4-heptene; 1,1-diethoxyhept-4-ene (cis and trans)
948.	2-Acetyl-3-methylpyrazine	950	14.082	-	2-Acetyl-3-methyl-1,4-diazine
949.	Pyrazine	951	14.144	-	1,4-Diazine;paradiazine
950.	5,6,7,8-Tetrahydroquinoxaline	952	14.015	3321	Cyclohexapyrazine
951.	Ethyl vanillin isobutyrate	953	09.933	3837	2-Ethoxy-4-formylphenyl isobutyrate
952.	Ethyl vanillin propylene glycol acetal	954	-	3838	2-(3-Ethoxy-4-hydroxyphenyl)-4-methyl-1,3-dioxolane
953.	4-Hydroxybenzyl alcohol	955	02.165	3987	p-Hydroxybenzyl alcohol; p-(hydroxymethyl) phenol; (4-hydroxyphenyl) methanol
954.	4-Hydroxybenzaldehyde	956	05.047	3984	4-Formylphenol;p-formylphenol;p-hydroxybenzaldehyde
955.	4-Hydroxybenzoic acid	957	08.040	3986	p-Hydroxybenzoic acid; p-salicylic acid
956.	2-Hydroxybenzoic acid	958	08.112	3985	Salicylic acid;o-hydroxybenzoic acid
957.	4-Hydroxy-3-methoxybenzoic acid	959	08.043	3988	Vanillic acid;4-hydroxy-m-anisic acid

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958.	Vanillin erythro- and threo-butan-2,3-diol acetal	960	06.132	4023	2-(4-Hydroxy-3-methoxyphenyl)-4,5-dimethyl-1,3-dioxolane, 4-(4,5-dimethyl-1,3-dioxolan-2-yl)-2-methoxyphenol; vanillin butan-2,3-diol acetal (mixture of stereo isomers)
959.	Cyclohexanecarboxylic acid	961	08.060	3531	Benzoic acid,hexahydro;carboxycyclohexane;cyclohexanoic acid;cyclohexylcarboxylic acid;cyclohexylmethanoic acid;hexahydrobenzoic acid
960.	Methyl cyclohexanecarboxylate	962	09.536	3568	Cyclohexanecarboxylic acid,methyl ester
961.	Ethyl cyclohexanecarboxylate	963	09.534	3544	Cyclohexanecarboxylic acid,ethylester
962.	Cyclohexaneethyl acetate	964	09.028	2348	2-Cyclohexylethyl acetate; cyclohexylethyl acetate;hexahydrophenethyl acetate
963.	Cyclohexaneacetic acid	965	08.034	2347	Cyclohexylacetic acid; hexahydrophenylacetic acid
964.	Ethyl cyclohexanepropionate	966	09.488	2431	Ethyl 3-cyclohexylpropanoate;ethyl cyclohexylpropionate;ethyl hexahydrophenyl propionate
965.	2,2,3-Trimethylcyclopent-3-en-1-yl acetaldehyde	967	05.119	3592	Campholenic aldehyde;(R)-2,2,3-trimethylcyclopent-3-ene-1-acetaldehyde; (IR) 2,2,3-trimethylcyclopent-3-en-1-yl acetaldehyde

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966.	cis-5-Isopropenyl-cis-2-methylcyclopentan-1-carboxaldehyde	968	05.123	3645	5-(1-Methylene-ethyl)-2-methylcyclopentanecarboxaldehyde; cis-2-methyl-cis-5-isopropenylcyclopentan-1-carboxaldehyde;photocitral; (1R,2R,5S) 5-isopropenyl-2-methylcyclopentanecarboxaldehyde
967.	Campholene acetate	969	09.289	3657	2-(2,2,3-Trimethylcyclopent-3-enyl)ethyl acetate; 1-acetoxy-2-(2,2,3-trimethyl-3-cyclopentenyl)ethane;alpha-campholene acetate
968.	alpha-Campholenic alcohol	970	02.114	3741	2-(2,2,3-Trimethylcyclopent-3-enyl)ethanol; alpha-campholenol;2-(2,2,3-trimethyl-3-cyclopentene)-1-ethanol; 2-(2,2,3-trimethylcyclopent-3-enyl)ethan-1-ol
969.	p-menth-1-en-9-al	971	05.098	3178	Carvomenthenal
970.	1-p-Menthen-9-yl acetate	972	09.615	3566	p-Menth-1-en-9-yl acetate; 9-acetoxy-1-p-menthene
971.	p-Mentha-1,8-dien-7-al	973	05.117	3557	Dihydrocuminic aldehyde;4-isopropenyl-1-cyclohexene-1-carboxaldehyde;perilldehyde;perilla aldehyde
972.	p-Mentha-1,8-dien-7-ol	974	02.060	2664	iso-Carveol;dihydrocuminic alcohol;dihydrocuminyl alcohol;hydrocuminalcohol; 1-

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					hydroxymethyl-4-isopropenyl-1-cyclohexene;4-isopropenyl-1-cyclohexenecarbinol;perilla alcohol
973.	p-Mentha-1,8-dien-7-yl acetate	975	09.278	3561	Dihydrocuminyll acetate;4-isopropenyl-1-cyclohexene carbinol acetate;menthadien-7-carbinyl acetate;1,8-p-menthadien-7-yl acetate;4-(1-methylvinyl)cyclohex-1-ene-1-methylacetate;perillylacetate
974.	1,2,5,6-Tetrahydrocuminic acid	976	08.067	3731	1-(4-Isopropylcyclohex-3-enyl) carboxylic acid; 4-isopropyl-3-cyclohexene-1-carboxylic acid;4-(1-methylethyl)-3-cyclohexene-1-carboxylicacid
975.	2,6,6-Trimethylcyclohexa-1,3-dienyl methanal	977	05.104	3389	2,6,6-Trimethylcyclohexa-1,3-diene-1-carbaldehyde; dehydro-beta-cyclocitral;2,3-dihydro-2,2,6-trimethylbenzaldehyde;safranal;2,6,6-trimethyl-1,3-cyclohexadienal;1,1,3-trimethyl-2-formylcyclohexa-2,4-diene
976.	2,6,6-Trimethyl-1-cyclohexen-1-acetaldehyde	978	05.112	3474	2,6,6-Trimethylcyclohex-1-en-1-acetaldehyde; 2,6,6-Trimethylcyclohex-1-en-1-acet-aldehyde; beta-homocyclocitral
977.	2,6,6-Trimethyl-1&2-cyclohexen-1-carboxaldehyde	979	05.121	3639	Mixture of 2,6,6-trimethylcyclohex-1-ene-1-carboxaldehyde and 2,6,6-trimethylcyclohex-2-ene-1-carboxaldehyde;

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					alpha- and beta-cyclocitral (50-50 mixture); 2,6,6-trimethyl-1-cyclohexen-1-carboxaldehyde
978.	2-Formyl-6,6-dimethylbicyclo[3.1.1]hept-2-ene (myrtenal)	980	05.106	3395	6,6-Dimethylbicyclo [3.1.1]hept-2-ene-2-carboxaldehyde; benihinal;6,6-dimethyl -2- norpinene-2-carboxaldehyde;pin-2-ene-1-carbaldehyde;2-formyl-6,6-dimethyl-2-norpinene; myrtenal
979.	Myrtenol	981	02.091	3439	6,6-Dimethylbicyclo [3.1.1] hept-2-ene-2-methanol; 6,6-dimethyl-2-oxymethylbicyclo [1.1.3] hept-2-ene;10-hydroxy-2-pinene;2-pinen-10-ol
980.	Myrtenyl acetate	982	09.302	3765	(6,6-Dimethylbicyclo [3.3.1]hept-2-en-2-yl) methyl acetate; 2-pinen-10-ol acetate
981.	6,6-Myrtenyl formate	983	09.272	3405	(6,6-Dimethylbicyclo [3.1.1]hept-2-en-2-yl) methyl formate; myrtenyl formate
982.	Santalol (alpha and beta)	984	-	3006	Mixture of 2-methyl-5-(2,3-dimethyltricyclo[2.2.1.0(2.6)]hept-3-yl)pent-2-en-1-ol and 2-methyl-5-(2-methyl-3-methylenebicyclo[2.2.1]hept-2-yl)pent-3-en-1-ol; Argeol;arheol
983.	Santalyl acetate (alpha and beta)	985	09.034	3007	Mixture of 2-methyl-5-(2,3-dimethyltricyclo [2.2.1.0(2.6)] hept-3-yl) pent-2- enyl acetate and 2-methyl-5-(2-methyl-3-methylenebicyclo [2.2.1]

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					hept-2-yl) pent-2-enyl acetate
984.	10-Hydroxymethylene-2-pinene	986	02.141	3938	6,6-Dimethyl-bicyclo [3.1.1] hept-2-ene-2-ethanol; homomyrtenol; 2- hydroxyethyl- 6,6-dimethyl-bicyclo [3,1,1]-hept-2-ene;nopol; 2-norpinene-2-ethanol,6,6-dimethyl-; 2-(6,6-dimethylbicyclo[3.1.1]hept-2-en- 2-yl)ethan-1-ol
985.	Phenethyl alcohol	987	02.019	2858	2-Phenylethanol; benzyl carbinol;benzylmethanol; 1-phenyl-2-ethanol;beta-phenethyl alcohol;beta-P.E.A.;2-phenethyl alcohol; 2-phenylethan-1-ol
986.	Phenethyl formate	988	09.083	2864	2-Phenylethyl formate; benzylcarbiny l formate;benzylcarbiny l methanoate;2-phenylethyl methanoate
987.	Phenethyl acetate	989	09.031	2857	2-Phenylethyl acetate; benzyl carbiny l acetate
988.	Phenethyl propionate	990	09.137	2867	2-Phenylethyl propionate; benzcarbiny l propionate;2-phenylethyl propanoate
989.	Phenethyl butyrate	991	09.168	2861	2-Phenylethyl butyrate; benzylcarbiny l butyrate;2-phenethyl butanoate
990.	Phenethyl isobutyrate	992	09.427	2862	2-Phenylethyl isobutyrate; benzylcarbiny l isobutyrate;benzylcarbiny l 2-methylpropanoate;phenethyl 2-methylpropanoate
991.	Phenethyl 2-methylbutyrate	993	09.538	3632	2-Phenylethyl 2-methylbutyrate; benzylcarbiny l 2-methylbutyrate;beta-phenethyl alpha-methyl butanoate
992.	Phenethyl isovalerate	994	09.466	2871	2-Phenylethyl isovalerate; benzylcarbiny l isopentanoate;benzylcarb

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					inyl isovalerate;benzylcarbiny 3-methylbutanoate;phenethyl 3-methylbutyrate
993.	Phenethyl hexanoate	995	09.261	3221	2-Phenylethyl hexanoate; benzylcarbiny caproate;benzylcarbiny hexanoate;2-phenylethyl caproate; 2-phenethylhexanoate
994.	Phenethyl octanoate	996	09.262	3222	2-Phenylethyl octanoate; benzylcarbiny octanoate;2-phenylethyl caprylate
995.	Phenethyl tiglate	997	09.496	2870	(E)-2-Phenylethyl 2-methylbutenoate; benzylcarbiny tiglate;2-phenylethyl trans-2,3-dimethylacrylate; 2-phenylethyl tiglate; phenethyl 2-methylcrotonate
996.	Phenethyl senecioate	998	09.407	2869	2-Phenylethyl 3-methylbut-2-enoate; phenethyl 3,3-dimethylacrylate; phenethyl 3-methylcrotonate; 2-phenylethyl senecioate; 2-phenethyl 3-methylcrotonate
997.	Phenethyl phenylacetate	999	09.707	2866	2-Phenylethyl phenylacetate; Benzylcarbiny phenylacetate;benzylcarbiny alpha-toluate;2-phenylethyl alpha-toluate
998.	Acetaldehyde phenethyl propyl acetal	1000	06.016	2004	Propyl phenethyl acetal;acetal R;1-phenethoxy-1-propoxyethane; 1-phenylethoxy-1-propoxyethane
999.	Acetaldehyde butyl phenethyl acetal	1001	06.036	3125	1-Butoxy-1-(2-phenylethoxy) ethane
1000.	Phenylacetaldehyde	1002	05.030	2874	Benzylcarboxaldehyde;hyacinthin;1-oxo-2-

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					phenylethane;phenylacetic aldehyde;alpha-tolualdehyde;alpha-toluic aldehyde
1001.	Phenylacetaldehyde dimethyl acetal	1003	06.006	2876	1,1-Dimethoxy-2-phenylethane; P.A.D.M.A.;rosal;vertodor ;viridine
1002.	Phenylacetaldehyde glyceryl acetal	1004	06.007	2877	5-Hydroxy-2-benzyl-1,3-dioxane and 4-hydroxymethyl-2-benzyl-1,3-dioxolane(mixture)
1003.	Phenylacetaldehyde 2,3-butylene glycol acetal	1005	06.027	2875	4,5-Dimethyl-2-benzyl-1,3-dioxolane; 2-benzyl-4,5-dimethyl-1,3-dioxolane
1004.	Phenylacetaldehyde diisobutyl acetal	1006	06.024	3384	1,1-Di(2-methylprooxy) -2-phenylethane; 1,1-diisobutoxy-2-phenylethane
1005.	Phenylacetic acid	1007	08.038	2878	Benzylcarboxylic acid;alpha-toluic acid
1006.	Methylphenylacetate	1008	09.783	2733	Methyl alpha-toluate
1007.	Ethylphenylacetate	1009	09.784	2452	Ethyl benzeneacetate;ethyl alpha-toluate
1008.	Propyl phenylacetate	1010	09.702	2955	Propyl alpha-toluate
1009.	Isopropyl phenylacetate	1011	09.786	2956	Isopropyl alpha-toluate
1010.	Butyl phenylacetate	1012	09.787	2209	Butyl alpha-toluate
1011.	Isobutyl phenylacetate	1013	09.788	2210	Isobutyl alpha-toluate;2-methylpropyl phenylacetate
1012.	Isoamyl phenylacetate	1014	09.789	2081	Mixture of Pentyl phenylacetate and 3-methylbutyl phenylacetate; amyl(iso) phenylacetate;isoamylalpa-toluate
1013.	Hexyl phenylacetate	1015	09.804	3457	Hexyl phenylacetate; hexyl alpha-toluate
1014.	3-Hexenyl phenylacetate	-	09.805	3633	Beta,gamma-hexenylalpa-toluate;3-hexenylalpa-toluate
1015.	Octyl phenylacetate	1017	09.703	2812	Octyl alpha-toluate
1016.	Rhodinyl phenylacetate	1018	09.791	2985	3,7-Dimethyloct-7-enyl 2-phenylacetate; rhodinyl alpha-toluate; (3s)-rhodinyl phenylacetate

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1017.	Linalyl phenylacetate	1019	09.772	3501	1,5-Dimethyl-1-vinylhex-4-enyl phenylacetate; 3,7-dimethyl-1,6-octadien-3-yl phenylacetate;linalyl alpha-toluate
1018.	Geranyl phenylacetate	1020	09.704	2516	3,7-Dimethylocta-2(trans),6-dienyl phenylacetate; Geranyl alpha-toluate; (2E)-geranyl phenylacetate
1019.	Citronellyl phenylacetate	1021	09.785	2315	3,7-Dimethyloct-6-enyl phenylacetate; citronellyl alpha-toluate
1020.	Santalyl phenylacetate (alpha and beta)	1022	09.712	3008	5-(2,3-Dimethyltricyclo [2.2.1.0(2.6)] hept-3-yl)-2-methylpent-2-enyl phenylacetate and 2-methyl-5-(2-methyl-3-methylenebicyclo [2.2.1] hept-2-yl) pent-2-enyl phenylacetate; Alpha-santalyl phenylacetate;beta-santalyl phenylacetate;santalylalp ha-toluate
1021.	p-Tolylacetaldehyde	1023	05.042	3071	(4-Methylphenyl) acetaldehyde; p-methyl phenylacetaldehyde;syri n ga aldehyde
1022.	p-Isopropylphenylacetaldehyde	1024	05.044	2954	(4-Isopropylphenyl) acetaldehyde; cortical;cumylacetaldehyde;p-cymen-7-carboxaldehyde
1023.	Methyl p-tert-butylphenylacetate	1025	09.758	2690	Methyl(4-(1,1-dimethylethyl) phenyl) acetate
1024.	Phenoxyacetic acid	1026	08.049	2872	Glycolic acid phenyl ether;phenoxyethanoic acid;o-phenylglycolic acid;P.O.A.;phenylium
1025.	Ethyl (p-tolyloxy)acetate	1027	09.797	3157	Ethyl (4-methyl phenoxy) acetate; ethyl p-cresoxyacetate
1026.	2-Phenoxyethyl isobutyrate	1028	09.487	2873	2-Phenylethyl 2-methylpropanoate; ethylene glycol monophenyl ether

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					isobutyrate; phenirat; phenoxyethyl isobutyrate; phenylcellosolve isobutyrate; floranol
1027.	Sodium 2-(4-methoxyphenoxy)propionate	1029	16.041	3773	Propanoic acid,2-(4-methoxyphenoxy),sodium salt;ORP 178; sodium 2-(4-methoxyphenoxy)propionate
1028.	Thiamine hydrochloride	1030	16.027	3322	3-((4-Amino-2-methyl-5-pyrimidinyl)methyl)-5-(2-hydroxyethyl)-4-methylthiazolium chloride; vitamin b1 hydrochloride; aneurine hydrochloride
1029.	4-Methyl-5-thiazoleethanol	1031	15.014	3204	5-Hydroxyethyl-4-methylthiazole;5-(2-hydroxyethyl)-4-methylthiazole;4-methyl-5-(beta-hydroxyethyl)thiazole;sulf urol;2-(4-methylthiazol-5-yl)ethanol
1030.	Thiazole	1032	-	3615	-
1031.	2-(1-Methylpropyl)thiazole	1033	15.022	3372	2-sec-Butylthiazole; 2-(sec-butyl)thiazole
1032.	2-Isobutylthiazole	1034	15.013	3134	-
1033.	4,5-Dimethylthiazole	1035	15.017	3274	-
1034.	2,4,5-Trimethylthiazole	1036	15.019	3325	-
1035.	2-Isopropyl-4-methylthiazole	1037	15.026	3555	4-Methyl-2-isopropylthiazole
1036.	4-Methyl-5-vinylthiazole	1038	15.018	3313	-
1037.	2,4-Dimethyl-5-vinylthiazole	1039	15.005	3145	-
1038.	Benzothiazole	1040	15.016	3256	-
1039.	2-Acetylthiazole	1041	15.020	3328	Methyl 2-thiazolyl ketone;1-(thiazol-2-yl)ethan-1-one;2-thiazolyl methyl ketone

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1040.	2-Propionylthiazole	1042	15.027	3611	1-(2-Thiazolyl)-1-propanone
1041.	4-Methylthiazole	1043	15.035	3716	-
1042.	2-Ethyl-4-methylthiazole	1044	15.033	3680	-
1043.	4,5-Dimethyl-2-isobutyl-3-thiazoline	1045	15.032	3621	2,5-Dihydro-4,5-dimethyl-2- (2-methylpropyl) thiazole;2-isobutyl-4,5-dimethyl-3-thiazoline
1044.	2-Isobutyl-4,6-dimethyldihydro-1,3,5-dithiazine and 4-isobutyl-2,6-dimethyldihydro-1,3,5-dithiazine (mixture)	1046	-	3781	Mixture of dihydro-2-isobutyl-4,6-dimethyl-4H-1,3,5-dithiazine and dihydro-6-isobutyl-2,4-dimethyl-4H-1,3,5-dithiazine; dimethyl isobutyl dihydro-1,3,5-dithiazine
1045.	2-Isopropyl-4,6-dimethyl and 4-isopropyl-2,6-dimethyldihydro-1,3,5-dithiazine (mixture)	1047	-	3782	Mixture of dihydro-2-isopropyl-4,6-dimethyl-4H-1,3,5-dithiazine and dihydro-4-isopropyl-2,6-dimethyl-4H-1,3,5-dithiazine; dimethyl isopropyl dihydro-1,3,5-dithiazine;2- isopropyl-4,6- dimethyldihydro-4H-1,3,5-dithiazine
1046.	2,4,6-Triisobutyl-5,6-dihydro-4h-1,3,5-dithiazine	1048	15.113	4017	Dihydro-2,4,6-triisobutyl-4h-1,3,5-dithiazine; 5,6-dihydro-2,4,6-tris(2-methylpropyl)4H-1,3,5-dithiazine
1047.	2,4,6-Trimethyldihydro-4H-1,3,5-dithiazine	1049	15.109	4018	Dihydro-2,4,6-trimethyl-4H-1,3,5-dithiazine; thialdine;2,4,6-trimethyldihydro-1,3,5-dithiazine
1048.	5-Methyl-2-thiophenecarboxaldehyde	1050	15.004	3209	5-Methyl-2-thiophenecarbaldehyde; 5-methyl-2-thenaldehyde
1049.	2-Thienylmercaptan	1052	15.001	3062	2-Mercaptothiophene; 2-thienylthiol
1050.	2-Thienyl Disulfide	1053	15.008	3323	2,2'-dithiodithiophene
1051.	4-Methyl-5-thiazoleethanol acetate	1054	15.015	3205	4-Methyl-5-(2-acetoxyethyl)thiazole; sulfuryl acetate

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1052.	2,4-Dimethyl-5-acetylthiazole	1055	15.011	3267	5-Acetyl-2,4-dimethylthiazole; 2,4-dimethyl-5-thiazoyl methyl ketone
1053.	2-Ethoxythiazole	1056	15.021	3340	Ethyl 2-thiazolyl ether; 2-thiazolyl ethyl ether
1054.	2-Methyl-5-methoxythiazole	1057	15.002	3192	5-Methoxy-2-methylthiazole
1055.	4,5-Dimethyl-2-ethyl-3-thiazoline	1058	15.030	3620	2-Ethyl-4,5-dimethyl-3-thiazoline; 2-ethyl-2,5-dihydro-4,5-dimethylthiazole
1056.	2-(2-Butyl)-4,5-dimethyl-3-thiazoline	1059	15.029	3619	2-(1-Methylpropyl)-4,5-dimethyl-3-thiazoline; 2,5-dihydro-4,5-dimethyl-2-(1-methylpropyl) thiazole; 2-(sec-butyl)-4,5-dimethyl-3-thiazoline
1057.	2-Methyl-3-furanthiol	1060	13.055	3188	2-Methyl-3-furyl mercaptan; 2-methylfuran-3-thiol
1058.	2-Methyl-3-(methylthio)furan	1061	13.152	3949	2-Methyl-3-thiomethylfuran
1059.	2-Methyl-5-(methylthio)furan	1062	13.065	3366	2-Methyl-5-thiomethylfuran
1060.	2,5-Dimethyl-3-furanthiol	1063	13.071	3451	2,5-Dimethyl-3-furyl mercaptan; 2,5-dimethylfuran-3-thiol
1061.	Methyl 2-methyl-3-furyl disulfide	1064	13.079	3573	2-Methyl-3-(methylthio)furan; 2-methyl-3-furyl methyl disulfide
1062.	Propyl 2-methyl-3-furyl disulfide	1065	13.082	3607	2-Methyl-3-furyl propyl disulfide; 2-methyl-3-(propylthio)furan
1063.	bis(2-methyl-3-furyl) disulfide	1066	13.016	3259	3,3'-Dithio-bis(2-methylfuran); 3,3'-dithio-2,2'-dimethyldifuran; 2-methyl-3-furyl disulfide
1064.	bis(2,5-dimethyl-3-furyl) disulfide	1067	13.015	3476	3,3'-Dithio-bis(2,5-dimethylfuran)
1065.	bis(2-methyl-3-furyl) tetrasulfide	1068	13.017	3260	2-Methyl-3-furyl tetrasulfide; 3,3'-tetrathio-bis(2-methylfuran)
1066.	Ethanoic acid, s-(2-methyl-3-furanyl) ester	1069	13.153	-	S-(2-Methyl-3-furyl) thioacetate; 2-methyl-3-thioacetoxyfuran; 2-methyl-3-furanthiol acetate; 2-methyl-3-furyl thioacetate

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
1067.	2,5-Dimethyl-3-furan thioisovalerate	1070	13.041	3482	S-(2,5-Dimethyl-3-furyl) 3-methylbutanethioate; S-(2,5-dimethyl-3-furyl)thioisovalerate; 2,5-dimethyl-3-(isopentylthio)furan
1068.	2,5-Dimethyl-3-thiofuroylfuran	1071	13.040	3481	S-(2,5-Dimethyl-3-furyl)thio-2-furoate; (S)-2,5-dimethyl-3-thiofuroylfuran
1069.	Furfuryl mercaptan	1072	13.026	2493	2-Furanmethanethiol; alpha-furfuryl mercaptan;2-furylmethanethiol
1070.	S-Furfuryl thioformate	1073	13.051	3158	2-Furfuryl thioformate; 2-furanmethanethiol formate;furfurylthiol formate
1071.	S-Furfuryl thioacetate	1074	13.033	3162	S-Furfuryl acetothioate; furfurylthiol acetate
1072.	S-Furfuryl thiopropionate	1075	13.063	3347	S-Furfuryl propanethioate; furfurylthiol propionate
1073.	Furfuryl methyl sulfide	1076	13.053	3160	Methyl furfuryl sulfide
1074.	Furfuryl isopropyl sulfide	1077	13.032	3161	Isopropyl furfuryl sulfide
1075.	Methyl furfuryl disulfide	1078	13.064	3362	Furfuryl methyl disulfide; methyl 2-furylmethyl disulfide
1076.	Propyl furfuryl disulfide	1079	13.197	3979	Furfuryl propyl disulfide
1077.	2,2'-(Dithiodimethylene)difuran	1081	13.050	3146	Difurfuryl disulfide; bis(2-furfuryl)disulfide;difurfuryl disulfide;2-furfuryl disulfide
1078.	2-Methyl-3-, 5- or 6-(furfurylthio)pyrazine	1082	13.151	3189	2-Furfurylthio-(3,5 or 6)-methylpyrazine; 2-furfurylthio-3-methylpyrazine;2-furfurylthio-5-methylpyrazine;2-furfurylthio-6-methylpyrazine; 2-methyl-3,5 and 6-(furfurylthio)pyrazine
1079.	S-Methyl thiofuroate	1083	13.142	3311	S-Methyl 2-

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					furanthiocarboxylate; methanethiol furoate;thiofuroic acid,methyl ester
1080.	4-[(2-Furanmethyl)thio]-2-pentanone	1084	13.196	3840	4-((2-Furanmethyl)thio)pentan-2-one; 4-(furan-2-ylmethylsulfanyl)pentane-2-one;4-furfurylthio-2-pentanone; [(2-furanylmethyl)thio]-2-pentanone
1081.	3-[(2-Methyl-3-furyl)thio]-4-heptanone	1085	13.077	3570	3-((2-Methyl-3-furyl)thio)heptan-4-one; 1,3-diethylacetyl 2-methyl-3-furyl sulfide
1082.	2,6-Dimethyl-3-[(2-methyl-3-furyl)thio]-4-heptanone	1086	13.075	3538	2,6-Dimethyl-3-((2-methyl-3-furyl)thio)heptan-4-one; 1,3-diisopropylacetyl 2-methyl-3-furyl sulfide;3-[(2-methyl-3-furyl)thio]-2,6-dimethyl-4-heptanone
1083.	4-[(2-Methyl-3-furyl)thio]-5-nonanone	1087	13.078	3571	4-((2-Methyl-3-furyl)thio)nonan-5-one; 1,3-dipropylacetyl 2-methyl-3-furyl sulfide
1084.	Ethyl 3-(furfurylthio)propionate	1088	13.093	3674	Ethyl beta-furfuryl-alpha-thiopropionate; ethyl 3-(2-furfurylthio)propionate
1085.	2-Methyl-3-thioacetoxy-4,5-dihydrofuran	1089	13.086	3636	S-(4,5-Dihydro-2-methyl)-3-furyl thioacetate; 4,5-dihydro-2-methyl-3-furanthiol acetate; 4,5-dihydro-2-methyl-3-thioacetoxyfuran
1086.	2-Methyl-3-tetrahydrofuranthiol	1090	13.160	3787	2-Methyltetrahydrofuran-3-thiol
1087.	2,5-Dimethyl-3-tetrahydrofuranthiol, cis and trans isomers	1091	13.193	3971	Tetrahydro-2,5-dimethylfuran-3-thiol; 2,5-dimethyltetrahydro-3-furanthiol
1088.	2,5-Dimethyltetrahydro-3-furyl thioacetate,	1092	13.194	3972	S-(2,5-Dimethyl)tetrahydrofuran-3-yl thioacetate

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	cis and trans isomers				
1089.	Cyclohexyl acetate	1093	09.027	2349	Cyclohexane acetate
1090.	Cyclohexyl butyrate	1094	09.230	2351	Cyclohexyl butanoate
1091.	Cyclohexyl formate	1095	09.160	2353	Formic acid,cyclohexyl ester
1092.	Cyclohexyl isovalerate	1096	09.464	2355	Cyclohexyl 2-methylbutanoate; cyclohexyl isopentanoate; cyclohexyl isovalerianate
1093.	Cyclohexyl propionate	1097	09.140	2354	-
1094.	p-1(7)8-Menthadien-2-yl acetate, cis and trans isomers	1098	09.930	3848	p-mentha-1(7),8-dien-2-yl acetate; acetic acid,p-1(7),8-menthadien-2-yl ester;menthadienyl acetate; cyclohexyl, 2-methylene-5-(1-methylethenyl) acetate
1095.	3,3,5-Trimethyl cyclohexanol	1099	02.209	3962	Cyclonol;homomenthol;1-methyl-3,3-dimethyl cyclohexan-5-ol; 3,3,5-trimethylcyclohexan-1-ol
1096.	Cyclohexanone	1100	07.148	3909	Ketohexamethylene;anon; sextone;nadone;cyclohexyl ketone;pimelic ketone
1097.	Cyclopentanone	1101	07.149	3910	Ketocyclopentane;ketopentamethylene;adipic ketone;dumasin
1098.	2-Methylcyclohexanone	1102	07.179	3946	Methyl anone
1099.	3-Methylcyclohexanone	1103	07.180	3947	Tetrahydro-m-cresol
1100.	4-Methylcyclohexanone	1104	-	3948	-
1101.	1-Methyl-1-cyclopenten-3-one	1105	07.112	3435	3-Methylcyclopent-2-en-1-one; 3-methyl-2-cyclopenten-1-one
1102.	2-Hexylidene cyclopentanone	1106	07.034	2573	Alpha-hexylidene cyclopentanone;jasmalone; 2-hexylidenecyclopentanone; 2-hexylidenecyclopentan-1-one
1103.	3-Methyl-2-cyclohexen-1-one	1107	07.098	3360	3-Methylcyclohex-2-en-1-one; 3-methyl-D2-cyclohexenone
1104.	2,2,6-Trimethylcyclohexanone	1108	07.045	3473	-
1105.	2-sec-	1109	07.095	3261	2-(1-

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	Butylcyclohexanone				Methylpropyl)cyclohexanone; ortho-sec-butylcyclohexanone; fresk omenthe
1106.	4-Isopropyl-2-cyclohexenone	1110	07.172	3939	4-Isopropylcyclohex-2-en-1-one; crypton; cryptone; dl-kryptone
1107.	Tetramethylethylcyclohexenone (mixture of isomers)	1111	07.035	3061	Mixture of 5-ethyl-2,3,4,5-tetramethyl-2-cyclohexen-1-one and 5-ethyl-3,4,5,6-tetramethyl-2-cyclohexen-1-one
1108.	Isophorone	1112	07.126	3553	3,5,5-Trimethylcyclohex-2-en-1-one; 1,5,5-trimethyl-3-oxocyclohexene; 1,3,3-trimethylcyclohexen-5-one; isoacetophoron
1109.	3-Methyl-5-propyl-2-cyclohexen-1-one	1113	07.129	3577	3-Methyl-5-propylcyclohex-2-en-1-one; celery ketone; 1-methyl-5-n-propyl-1-cyclohexen-3-one
1110.	3-Methyl-2-(2-pentenyl)-2-cyclopenten-1-one	-	07.094	3196	3-Methyl-2-pent-2-enylcyclopent-2-en-1-one; jasmone; cis-jasmone; 3-methyl-2-(pent-2(cis)-enyl)cyclopent-2-en-1-one
1111.	Isojasmone	1115	07.033	3552	2-Hexylcyclopent-2-en-1-one and 2-hexylidenecyclopentanone; dihydrojasmone; n-hexylidenecyclopentanone
1112.	(E)-2-(2-Octenyl)cyclopentanone	1116	-	3889	(E)-2-Oct-2-enylcyclopentanone
1113.	2-(3,7-Dimethyl-2,6-octadienyl)cyclopentanone	1117	07.257	3829	Decenylcyclopentanone
1114.	3-Decanone	1118	07.151	3966	Ethyl heptyl ketone; decan-3-one
1115.	5-Methyl-5-hexen-2-one	1119	07.100	3365	5-Methylhex-5-en-2-one; isobutylidene acetone
1116.	6-Methyl-5-hepten-2-one	1120	07.015	2707	6-Methylhept-5-en-2-one; methyl hexenyl ketone 2-methyl-2-hepten-6-

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					one;2-methylheptenone
1117.	3,4,5,6-Tetrahydropseudoionone	1121	07.069	3059	6,10-Dimethylundec-9-en-2-one; dihydrogeranyl acetone; tetrahydropseudo-ionone
1118.	6,10-Dimethyl-5,9-undecadien-2-one	1122	07.123	3542	6,10-Dimethylundeca-5,9-dien-2-one; 2,6-dimethyl-2,6-undecadien-10-one;geranylacetone
1119.	2,6,10-Trimethyl-2,6,10-pentadecatrien-14-one	1123	07.114	3442	6,10,14-Trimethylpentadeca-5,9,13-trien-2-one; farnesyl acetone
1120.	3-Penten-2-one	1124	07.044	3417	Pent-3-en-2-one; ethylidene acetone;methyl propenyl ketone
1121.	4-Hexen-3-one	1125	07.048	3352	2-Hexen-4-one; hexen-4-en-3-one
1122.	2-Hepten-4-one	1126	07.104	3399	Hept-2-en-4-one; propenyl propyl ketone; ethyl ethylidene acetone;1-butyl propylene
1123.	3-Hepten-2-one	1127	07.105	3400	Hept-3-en-2-one; 1-acetyl-1-pentene;butylidene acetone;methyl pentenyl ketone
1124.	3-Octen-2-one	1128	07.107	3416	Oct-3-en-2-one; methyl hexenyl ketone
1125.	2-Octen-4-one	1129	07.082	3603	Oct-2-en-4-one; butyl propenyl ketone;propenyl butyl ketone
1126.	3-Decen-2-one	1130	07.121	3532	Dec-3-en-2-one; heptylidene acetone;oenanthylidene acetone
1127.	4-Methyl-3-penten-2-one	1131	07.101	3368	4-Methylpent-3-en-2-one; mesityl oxide;isopropylidene acetone;methyl isobutenyl ketone
1128.	5-Methyl-3-hexen-2-one	1132	07.106	3409	5-Methylhex-3-en-2-one; isobutylidene acetone
1129.	5-Methyl-2-hepten-4-one	1133	07.139	3761	5-Methylhept-2-en-4-one; filbertone;hazeltone; filbert heptenone
1130.	6-Methyl-3,5-heptadien-2-one	1134	07.099	3363	6-Methylhepta-3,5-dien-2-one; 2-methylhepta-2,4-

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					dien-6-one;methyl heptadienone;1-acetyl-4-methyl-1,3-pentadiene
1131.	(E)-7-Methyl-3-octen-2-one	1135	07.177	3868	(E)-7-Methyloct-3-en-2-one; Trans-7-methyl-3-octen-2-one; 7-methyl-3-octenone-2
1132.	3-Nonen-2-one	1136	07.188	3955	Non-3-en-2-one; methyl heptenyl ketone
1133.	(E) & (Z)-4,8-Dimethyl-3,7-nonadien-2-one	1137	07.256	3969	4,8-Dimethynona-3,7-dien-2-one; citrinone
1134.	(E)-6-Methyl-3-hepten-2-one	1138	07.244	4001	Trans-6-methylhept-3-en-2-one;(E)-6-methylhept-3-en-2-one; (6E)-methyl-3-hepten-2-one
1135.	(E,E)-3,5-Octadien-2-one	1139	07.247	4008	Trans,trans-3,5-octadien-2-one;(E,E)-octa-3,5-dien-2-one
1136.	3-Octen-2-ol	1140	02.102	3602	Oct-3-en-2-ol; methyl hexenyl carbinol
1137.	(E)-2-Octen-4-ol	1141	02.193	3888	trans-2-Octenol-4; butyl propenyl carbinol; (E)-oct-2-en-4-ol
1138.	2-Pentyl butyrate	1142	09.658	3893	1-Methylbutyl butyrate; 2-pentyl butanoate
1139.	(+/-)Heptan-3-yl acetate	1143	09.924	3980	1-Ethylpentyl acetate; 3-heptanol acetate;acetic acid,3-heptanyl ester; 3-heptyl acetate (mixture of r and s
1140.	(+/-)Heptan-2-yl butyrate	1144	09.923	3981	Butanoic acid,1-methylhexyl ester; hept-2-yl butyrate)
1141.	(+/-)Nonan-3-yl acetate	1145	09.925	4007	1-Ethylheptyl acetate; 3-nonanol acetate;non-3-yl acetate
1142.	2-Pentyl acetate	1146	-	4012	1-Methylbutyl acetate; 2-pentanol acetate
1143.	1-Penten-3-one	1147	-	3382	Pent-1-en-3-one; ethyl vinyl ketone;propionyl ethylene
1144.	1-Octen-3-one	1148	-	3515	Oct-1-en-3-one; amyl vinyl ketone;vinyl amyl ketone
1145.	2-Pentyl-1-buten-3-	1149	-	3725	3-Methyleneoctan-2-one;

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	one				3-methylene-2-octanone
1146.	1-Penten-3-ol	1150	-	3584	Pent-1-en-3-ol; ethyl vinyl carbinol
1147.	1-Hexen-3-ol	1151	-	3608	Hex-1-en-3-ol; vinyl butan-1-ol; vinyl propyl carbinol
1148.	1-Octen-3-ol	1152	-	2805	Oct-1-en-3-ol; amyl vinyl carbinol; matsutake alcohol; 3-octenol; n-pentyl vinyl carbinol
1149.	1-Decen-3-ol	1153	02.136	3824	Dec-1-en-3-ol; heptyl ethenyl carbinol
1150.	(E,R)-3,7-Dimethyl-1,5,7-octatrien-3-ol	1154	-	3830	(E,R)-3,7-Dimethylocta-1,5,7-trien-3-ol; hotrienol; dehydrolinalool
1151.	6-Undecanone	1155	07.249	4022	Undecan-6-one; diamyl ketone; dipentyl ketone
1152.	2-Methylheptan-3-one	1156	07.240	4000	3-Heptanone; 2-methylbutyl isopropyl ketone
1153.	4-Hydroxy-4-methyl-5-hexenoic acid gamma lactone	1157	10.070	4051	5-Ethenyldihydro-5-methyl-2(3H)-furanone; lilac lactone; 5-methyl-5-vinyl-dihydro-furan-2-one; 4-methyl-5-hexen-1,4-olide
1154.	(+/-)3-Methyl-gamma-decalactone	1158	10.069	3999	5-Hexyldihydro-4-methylfuran-2(3H)-one
1155.	4-Hydroxy-4-methyl-7-cis-decenoic acid gamma lactone	1159	10.061	3937	(Z)-5-Hex-3-enyldihydro-5-methyl-2(3H)-furanone; lactone of cis jasmone; 4-methyl-cis-7-decene gamma-lactone; cis-5-hexenyldihydro-5-methylfuran-2(3H)-one
1156.	Tuberose lactone	1160	-	4067	Dihydro-5-((Z,Z)-octa-2,5-dienyl)-2(3H)-furanone; (Z,Z)-6,9-dodecadien-4-olide
1157.	Dihydromintlactone	1161	10.050	4032	Hexahydro-3,6-dimethyl-2(3H)-benzofuranone; 3,6-dimethylcyclohexylacetolactone
1158.	Mintlactone	1162	10.036	3764	5,6,7,7a-Tetrahydro-3,6-dimethyl-(4H)-benzofuran-2-one; 3,6-dimethyl-5,6,7,7a-tetrahydro-2(4H)-benzofuranone

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1159.	Dehydromenthofurolactone	1163	10.034	3755	5,6-Dihydro-3,6-dimethyl-(4H)-benzofuran-2-one; 3,6-dimethyl-4,5-dihydro-6h-benzo(b)furan-2-one; 5,6-dihydro-3,6-dimethyl-2(4H)-benzofuran-2-one
1160.	(+/-)-(2,6,6-trimethyl-2-hydroxycyclohexylidene)acetic acid gamma-lactone	1164	13.109	4020	5,6,7,7a-Tetrahydro-4,4,7a-trimethyl-2(4H)benzofuranone; dihydroactinidiolide
1161.	Sclareolide	1165	16.055	3794	Decahydro-3a,6,6,9a-tetramethylnaphtho(2,1b)furan-2(1H)-one; norambrienolide; [3aR-(3a.alpha.,5a.beta.,9a.alpha.,9b.beta.)]-decahydro-3a,6,6,9a-tetramethylnaphtho[2,1-b]furan-2(1H)-one; (R)-(+)-Sclareolide
1162.	Octahydrocoumarin	1166	13.161	3791	Octahydro-2H-1-benzopyran-2-one; bicyclononalactone; cyclohexyl lactone
1163.	2-(4-methyl-2-hydroxyphenyl)propionic acid gamma-lactone	1167	10.072	3863	2-(4-Methyl-2-hydroxyphenyl)propionic acid gamma-lactone; dimethyl-3,6-benzo-2(3H)-furanone; furaminton
1164.	3-Propylidene-phthalide	1168	10.005	2952	3-Propylidene-1(3H)-isobenzofuranone; propylidene phthalide; celeriax; n-propylidene-phthalide
1165.	3-n-Butylphthalide	1169	10.025	3334	3-Butyl-1(3H)-isobenzofuranone; 3-butylphthalide
1166.	3-Butylidene-phthalide	1170	10.024	3333	3-Butylidene-1(3H)-isobenzofuranone; ligusticum lactone; 3-n-butylidene-phthalide; n-butylidene-phthalide

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1167.	Dihydrocoumarin	1171	13.009	2381	2-Chromanone;o-hydroxydihydrocinnamic acid lactone;hydrocoumarin;m elilotol;1,2-benzodihydropyrone;melilotin;meliotine;melilotic acid lactone; 3,4-dihydro-1-benzopyran-2-one; 3,4 dihydrocoumarin
1168.	6-Methylcoumarin	1172	13.012	2699	6-Methyl-2H-1-benzopyran-2-one;6-methyl-cis-o-coumarinic lactone;6-methylbenzopyrone;5-methyl-2-hydroxyphenylpropenoic acid lactone
1169.	2,4-Pentadienal	1173	05.101	3217	-
1170.	2,4-Hexadien-1-ol	1174	02.162	3922	2,4-Hexadienol; 1-hydroxy-2,4-hexadiene;sorbic alcohol;sorbyl alcohol
1171.	(E,E)-2,4-Hexadienal	1175	05.057	3429	(2e,4e)-Hexa-2,4-dienal; 2-propyleneacrolein;sorbald ehyde;sorbicaldehyde;(trans,trans)-2,4-hexadienal
1172.	(E,E)-2,4-Hexadienoic acid	1176	08.085	3921	(2E,4E)-Hexa-2,4-dienoic acid; (E,E)-1,3-pentadiene-1-carboxylicacid;sorbic acid
1173.	Methyl sorbate	1177	09.300	3714	Methyl (2E,4E)-hexa-2,4-dienoate; methyl 2,4-hexadienoate
1174.	Ethyl sorbate	1178	09.194	2459	Ethyl (2E,4E)-hexa-2,4-dienoate; ethyl 2-propenylacrylate
1175.	(E,E)-2,4-Heptadienal	1179	05.084	3164	(2E,4E)-Hepta-2,4-dienal; trans,trans-2,4-heptadienal
1176.	(E,E)-2,4-Octadien-1-ol	1180	-	3956	(2E,4E)-Octa-2,4-dienol; trans-2,4-octadienol
1177.	trans,trans-2,4-Octadienal	1181	05.186	3721	(2E,4E)-Octa-2,4-dienal
1178.	2-trans,6-trans-Octadienal	1182	05.111	3466	(2E,6E)-Octa-2,6-dienal
1179.	2,4-Nonadien-1-ol	1183	02.188	3951	2,4-Nonadienol
1180.	2,6-Nonadien-1-ol	1184	02.049	2780	(2E,6Z)-Nona-2,6-dienol; nonadienol;violet leaf

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					alcohol;cucumber alcohol;trans-2-cis-6-nonadien-1-ol
1181.	2,4-Nonadienal	1185	05.071	3212	(2E,4E)-Nona-2,4-dienal; trans,trans-2,4-nonadienal
1182.	Nona-2-trans-6-cis-dienal	1186	05.058	3377	(2E,6Z)-Nona-2,6-dienal; 2,6-nonadienal;trans-2,cis-6-nonadienal
1183.	2-trans,6-trans-Nonadienal	1187	05.172	3766	(2e,6e)-Nona-2,6-dienal;nona-2(trans),6(trans)-dienal
1184.	(E,Z)-2,6-Nonadien-1-ol acetate	1188	09.947	3952	(2E,6Z)-Nona-2,6-dienyl acetate; trans-2-cis-6-nonadien-1-yl acetate; (E,Z)-2,6-nonadienyl acetate
1185.	(E,E)-2,4-Decadien-1-ol	1189	02.139	3911	(2E,4E)-Deca-2,4-dienol; trans,trans-2,4-decadienol; deca-2,4-dien-1-ol
1186.	2-trans,4-trans-Decadienal	1190	05.140	3135	(2E,4E)-Deca-2,4-dienal; deca-2(trans),4(trans)-dienal
1187.	Methyl (E)-2-(Z)-4-decadienoate	1191	09.639	3859	Methyl (E,Z)-2,4-decadienoate; methyl (E,Z)-deca-2,4-dienoate
1188.	Ethyl trans-2-cis-4-decadienoate	1192	09.260	3148	Ethyl(E,Z)-2,4-decadienoate; ethyl(E,Z)-deca-2,4-dienoate
1189.	Ethyl 2,4,7-decatrienoate	1193	09.371	3832	Ethyl deca-2,4,7-trienoate
1190.	Propyl 2,4-decadienoate	1194	09.840	3648	-
1191.	2,4-Undecadienal	1195	05.108	3422	(2E,4E)-Undeca-2,4-dienal; 2-undecenal
1192.	trans,trans-2,4-Dodecadienal	1196	05.125	3670	(2E,4E)-Dodeca-2,4-dienal; 4-ethylsyringol; dodeca-2,4-dienal
1193.	2-trans-6-cis-Dodecadienal	1197	05.120	3637	(2E,6Z)-Dodeca-2,6-dienal; trans-2,cis-6-dodecadien-1-al; dodeca-2,6-dienal
1194.	2-trans-4-cis-7-cis-Tridecatrienal	1198	05.064	3638	(2E,4Z,7Z)-Trideca-2,4,7-trienal; trideca-2(trans),4(cis),7(cis)-

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					trienal
1195.	(+/-)-2-Methyl-1-butanol	1199	02.076	3998	2-Methylbutanol; 2-methyl-n-butanol; 2-methylbutylalcohol; active amylalcohol; active primary amylalcohol; sec-butylcarbinol; 2-methylbutan-1-ol
1196.	3-Methyl-2-buten-1-ol	1200	02.109	3647	Prenol; gamma, gamma-Dimethylallyl alcohol; 2-methyl-2-buten-4-ol; prenyl alcohol; 3,3-dimethylallyl alcohol; 3-methylcrotyl alcohol; 3-methyl-2-butenol; 3-methylbut-2-en-1-ol
1197.	2-Methyl-2-butenal	1201	05.095	3407	Tiglaldehyde; 2-methylcrotonaldehyde; alpha-methylcrotonaldehyde; alpha, beta-dimethylacrolein; 2,3-dimethylacrolein
1198.	3-Methyl-2-butenal	1202	05.124	3646	3-Methylcrotonaldehyde; senecialdehyde; prenal; methyl-2-butenal
1199.	Ammonium isovalerate	1203	16.001	2054	Ammonium 3-methylbutyrate; isovaleric acid, ammonium salt; 3-ammonium isovalerate
1200.	3-Methylcrotonic acid	1204	08.070	3187	3-Methyl-2-butenic acid; 3,3-dimethylacrylic acid; beta, beta-dimethylacrylic acid; senecioic acid; beta-methylcrotonic acid
1201.	trans-2-Methyl-2-butenic acid	1205	08.064	3599	2-Methyl-2-(E)-butenoic acid; tiglic acid; trans-2-methylcrotonic acid; (E)-2,3-dimethylacrylic acid; cevadic acid; tiglinic acid; (2E)-methylcrotonic acid
1202.	Isobutyl 2-butenate	1206	09.273	3432	2-Methylpropyl 2-

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					butenoate; isobutylcrotonate;2-methylpropylcrotonate
1203.	2-Methylallyl butyrate	1207	-	2678	2-Methyl-1-propenyl butyrate; 2-methylallylbutanoate;2-methyl-1-propen-1-ylbutyrate;methylallylbutyrate
1204.	4-Methyl-2-pentenal	1208	05.114	3510	4-Methylpent-2-enal
1205.	2-Methyl-2-pentenal	1209	05.090	3194	2,4-Dimethylcrotonaldehyde; alpha-methyl-beta-ethylacrolein; 2-methylpent-2-enal
1206.	2-Methyl-2-pentenoic acid	1210	08.055	3195	-
1207.	2,4-Dimethyl-2-pentenoic acid	1211	08.044	3143	(2E),4-Dimethylpent-2-enoic acid
1208.	2-Methylheptanoic acid	1212	08.047	2706	2-Methyloanthicacid;met hylamylaceticacid;alpha-methylheptanoicacid
1209.	Isobutyl angelate	1213	09.408	2180	Isobutyl (Z)-2-methyl-2-butenolate; isobutylcis-2-methyl-2-butenolate; isobutyl 2-methylbut-2(cis)-enoate
1210.	2-Butyl-2-butenal	1214	05.105	3392	2-Ethylidenehexanal; 2 butylbut-2-enal
1211.	2-Isopropyl-5-methyl-2-hexenal	1215	05.107	3406	Alpha-isopropyl-beta-isobutylacrolein;isohydrol avandulal; 2-isopropyl-5-methylhex-2-enal
1212.	2-Ethyl-2-heptenal	1216	05.033	2438	2-Ethyl-3-butylacrolein; 2-ethylhept-2-enal
1213.	2-Methyl-2-octenal	1217	05.126	3711	2-Methyloct-2-enal
1214.	4-Ethyl-octanoic acid	1218	08.079	3800	-
1215.	dl-Citronellol	1219	02.011	2309	3,7-Dimethyl-6-octenol; cephrol beta-citronellol; 2,3-dihydrogeraniol; dihydrogeraniol; 2,6-dimethyl-2-octen-8-ol; citronellol
1216.	Citronellal	1220	05.021	2307	3,7-Dimethyl-6-octenal; rhodinal;beta-citronellal;2,3-dihydrocitral;dl-citronellal

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1217.	3,7-Dimethyl-6-octenoic acid	1221	08.036	3142	Citronellic acid
1218.	Rhodinol	1222	02.027	2980	(S)-3,7-Dimethyl-7-octenol; 3,7-dimethyl-7-octen-1-ol;(-)-alpha-citronellol;(-)-rhodinol;(S)-alpha-citronellol
1219.	Geraniol	1223	02.012	2507	(2E)-3,7-Dimethyl-2,6-octadienol; trans-3,7-dimethyl-2,6-octadien-1-ol;2,6-dimethyl-2,6-octadien-8-ol;(E)-geraniol;(E)-nerol;beta-geraniol;geranyl alcohol;lemonol
1220.	Nerol	1224	02.058	2770	(2Z)-3,7-Dimethyl-2,6-octadienol; (Z)-geraniol;(Z)-nerol;beta-nerol;cis-3,7-dimethyl-2,6-octadien-1-ol;cis-2,6-dimethyl-2,6-octadien-8-ol;cis-geraniol;nerylalcohol;neraniol
1221.	Citral	1225	05.020	2303	3,7-Dimethyl-2,6-octadienal; geranial and neral;lemarome
1222.	8-Ocimenyl acetate	1226	09.931	3886	2,6-Dimethyl-2,5,7-octatrienyl acetate; piperitanate; 2,6-dimethyl-2,5,7-octatrienyl-1-ol acetate
1223.	2,6-Dimethyl-10-methylene-2,6,11-dodecatrienal	1227	-	3141	Beta-Sinensal
1224.	3,7,11-Trimethyl-2,6,10-dodecatrienal	1228	05.148	4019	Farnesal;farnesone
1225.	12-Methyltridecanal	1229	05.169	4005	-
1226.	Farnesol	1230	02.029	2478	3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol; farnesyl

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					alcohol; 3,7,11-trimethyldodeca-2,6,10-trien-1-ol
1227.	sec-Butyl ethyl ether	1231	03.005	3131	2-Ethoxybutane; ethyl sec-butyl ether;2-butyl ethyl ether
1228.	1-Ethoxy-3-methyl-2-butene	1232	03.019	3777	Ethyl 3-methyl-2-butenyl ether; prenyl ethyl ether
1229.	1,4-Cineole	1233	03.007	3658	1-Methyl-4-(1-methylethyl)-7-oxabicyclo[2.2.1]heptane; 1,4-epoxy-p-menthane;isocineole
1230.	Eucalyptol	1234	03.001	2465	1,3,3-Trimethyl-2-oxabicyclo[2.2.2]octane; 1,8-cineole
1231.	Nerol oxide	1235	13.088	3661	3,6-Dihydro-4-methyl-2-(2-methyl-1-propenyl)-2H-pyran; 3,6-dihydro-4-methyl-2-(2-methylprop-1-en-1-yl)-2H-pyran
1232.	2,2,6-Trimethyl-6-vinyltetrahydropyran	1236	13.094	3735	Boisderoseoxide;geranicoxide;2,6,6-trimethyl-2-vinyltetrahydropyran
1233.	Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran	1237	13.037	3236	Rosenoxide;rosoxide;rose oxide;4-methyl-2-(2-methyl-1-propenyl)-tetrahydropyran;2-isobutenyl-4-methyltetrahydropyran;cis-rose oxide; tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-2H-pyran; 2-(2-methylprop-1-enyl)-4-methyltetrahydropyran
1234.	Theaspirane	1238	13.098	3774	2,6,10,10-Tetramethyl-1-oxaspiro[4.5]dec-6-ene
1235.	Cycloionone	1239	13.165	3822	6,7,8,8a-Tetrahydro-2,5,5,8a-tetramethyl-5H-1-benzopyran
1236.	1,5,5,9-Tetramethyl-13-oxatricyclo(8.3.0.0(4,9))tridecane	1240	13.072	3471	Ambrox,dodecahydro-3a,6,6,9a-tetramethylnaphtho(2,1-b)furan

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1237.	Anisole	1241	04.032	2097	Methoxybenzene; phenylmethylether;phenolmethylether;methylphenylether
1238.	o-Methylanisole	1242	04.014	2680	1-Methoxy-2-methylbenzene; o-methoxytoluene;2-methoxytoluene;o-cresylmethylether;methyl o-tolyether
1239.	p-Methylanisole	1243	04.015	2681	p-Cresyl methyl ether;methyl p-cresol;methyl p-cresyl ether;4-methylphenol methyl ether;4-methyl-1-methoxybenzene;4-methoxytoluene;p-methoxytoluene; 1-methoxy-4-methylbenzene
1240.	p-Propylanisole	1244	04.039	2930	1-Methoxy-4-propylbenzene; dihydroanethole;methylp-propylphenylether;4-promethoxybenzene
1241.	2,4-Dimethylanisole	1245	04.063	3828	1-Methoxy-2,4-dimethylbenzene; 4-methoxy-m-xylene; 1,3-dimethyl-4-methoxybenzene
1242.	1-Methyl-3-methoxy-4-isopropylbenzene	1246	04.043	3436	Thymol methyl ether; thymyl methyl ether;3-methoxy-p-cymene;2-isopropyl-5-methylanisole; 1-isopropyl-2-methoxy-4-methylbenzene; 1-isopropyl-2-methoxy-4-methyl-benzene
1243.	Carvacryl ethyl ether	1247	04.038	2246	Ethyl carvacrol;ethyl carvacryl ether;5-isopropyl-2-methylethoxy-benzene;5-isopropyl-2-methylphenetole;2-

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					ethoxy-p-cymene; 2-ethoxy-4-isopropyl-1-methylbenzene
1244.	1,2-Dimethoxybenzene	1248	04.062	3799	Catechol dimethyl ether
1245.	m-dimethoxybenzene	1249	04.016	2385	1,3-Dimethoxybenzene; dimethylresorcinol;3-methoxyanisole;m-methoxyanisole;rescorcin oldimethylether
1246.	p-Dimethoxybenzene	1250	04.034	2386	1,4-Dimethoxybenzene; dimethylhydroquinone;D MB;hydroquinonedimethylether
1247.	3,4-Dimethoxy-1-vinylbenzene	1251	04.040	3138	4-Ethenyl-1,2-dimethoxybenzene; 3,4-dimethoxystyrene; 1,2-dimethoxy-4-vinylbenzene
1248.	Benzyl ethyl ether	1252	03.003	2144	(Ethoxymethyl)benzene; ethylbenzylether
1249.	Benzyl butyl ether	1253	03.010	2139	(Butoxymethyl)benzene; benzylbutylether;butylbenzylether
1250.	Methyl phenethyl ether	1254	03.006	3198	(2-Methoxyethyl)benzene; phenethyl methyl ether;pandanol; 2-methoxyethylbenzene
1251.	Diphenyl ether	1255	04.035	3667	1,1'-Oxybis-benzene; diphenyloxide;phenylether;phenoxybenzene
1252.	Dibenzyl ether	1256	03.004	2371	1,1'-(Oxybis(methylene))bis-benzene;benzyloxide;benzylether
1253.	Beta-naphthyl methyl ether	1257	04.074	-	2-Methoxynaphthalene; beta-naphthol methyl ether;nerolini;nerolin,yarayara;yarayara
1254.	Beta-naphthyl ethyl ether	1258	04.033	2768	2-Ethoxynaphthalene; ethylbetanaphthylether;ethyl2-naphthylether;nerolin;nerolinbromelia
1255.	Beta-naphthyl isobutyl ether	1259	04.054	3719	Nerolin fragarol;2-isobutoxynaphthalene;fragarol;isobutyl betanaphthyl ether;betanaphthol isobutyl

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					ether;isobutyl 2-naphthyl ether; 2-(2-methylpropoxy)naphthalene
1256.	Isoeugenol	1260	04.004	2468	4-Hydroxy-3-methoxy-1-propenylbenzene;4-propenylguaiacol;1-(3-methoxy-4-hydroxyphenyl)-1-propene;3-methoxy-4-hydroxy-1-propenylbenzene; 2-methoxy-4-(1-propenyl)phenol
1257.	Isoeugenyl formate	1261	09.089	2474	2-Methoxy-4-(1-propenyl)phenyl formate
1258.	Isoeugenyl acetate	1262	09.030	2470	4-Acetoxy-3-methoxy-1-propen-1-yl-benzene;2-methoxy-4-(propen-1-yl)-phenyl acetate;acetisoeugenol;acetyl iso-eugenol, acetylisoeugenol;1-acetoxy-2-methoxy-4-(1-propenyl)benzene;isoeugenol acetate; 2-methoxy-4-(1-propenyl)phenyl acetate
1259.	Isoeugenyl phenylacetaten	1263	09.710	2477	2-Methoxy-4-propenylphenyl phenylacetate; 4-propenylguaiacylphenylacetate;2-methoxy-4-(1-propen-1-yl)phenylphenylacetate
1260.	Propenylguaethol	1264	04.002	2922	1-Ethoxy-2-hydroxy-4-propenylbenzene;m-anol,6-ethoxy-;isofroegenol;vanitropene;hydroxy methyl anethol; 2-ethoxy-5-(1-propenyl)phenol
1261.	4-Propenyl-2,6-dimethoxyphenol	1265	04.055	3728	2,6-Dimethoxy-4-(E)-1-propenylphenol; trans-2,6-dimethoxy-4-(1-propenyl)phenol;trans-4-propenylsyringol; 2,6-dimethoxy-4-prop-1-enylphenol

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1262.	Isoeugenyl methyl ether	1266	04.013	2476	Methyl isoeugenol; 1-veratryl-1-propene; 3-(3,4-dimethoxyphenyl)-2-propene; 3,4-dimethoxypropylbenzene; 1-(3,4-dimethoxyphenyl)-1-propene; 1,2-dimethoxy-4-(1-propenyl)-benzene
1263.	Isoeugenyl ethyl ether	1267	04.017	2472	1-Ethoxy-2-methoxy-4-(1-propenyl)benzene; 2-ethoxy-5-propenylanisole; ethylisoeugenol; isoeugenolethylether; O-ethylisoeugenol; 1-ethoxy-2-methoxy-4-(prop-1-enyl)benzene
1264.	Isoeugenyl benzyl ether	1268	04.018	3698	Benzyl isoeugenol ether; 2-methoxy-1-(phenylmethoxy)-4-(1-propenyl)benzene; 1-benzyloxy-2-methoxy-4-propenyl benzene; benzyl isoeugenol; benzyl 2-methoxy-4-(1-propenyl)phenyl ether
1265.	Isoprenyl acetate	1269	09.655	3991	3-Methyl-3-butenyl acetate; 3-methylbut-3-enyl acetate
1266.	4-Pentenyl acetate	1270	09.917	4011	5-Acetoxy-1-pentene; 1-acetoxy-4-pentene
1267.	3-Hexenal	1271	05.192	3923	-
1268.	3-Hexenyl Formate (cis and trans mixture)	1272	09.846	3353	Hex-3-Enyl Formate
1269.	Ethyl 5-hexenoate	1273	09.921	3976	-
1270.	cis-Hexenyl propionate	1274	09.564	3933	(Z)-3-Hexenyl propionate; cis-3-hexenylpropionate; cis-3-Hexenylpropanoate; hex-3(cis)-enyl propionate
1271.	cis-Hexenyl isobutyrate	1275	09.563	3929	(Z)-Hex-3-enyl isobutyrate; 3-hexenyl-2-methylpropionate; 3-hexenyl-2-

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					methylpropanoate; hex-3(cis)-enyl isobutyrate
1272.	(Z)-3-Hexenyl (E)-2-butenolate	1276	09.566	3982	(Z)-3-Hexenylcrotonate; pipylcrotonate; (3Z)-hexenyl (E)-but-2-enoate
1273.	cis-Hexenyl tiglate	1277	09.559	3931	(Z)-3-Hexenyl (E)-2-methyl-2-butenolate; (Z)-3-hexenyl 2-methylcrotonate; cis-3-hexenyl alpha-methylcrotonate; cis-hexenyl tiglate; hex-3(cis)-enyl 2-methylcrotonate
1274.	cis-Hexenyl valerate	1278	09.571	3936	(Z)-Hex-3-enyl valerate; cis-3-hexenyl pentanoate; (3Z)-hexenyl valerate
1275.	3-Hexenyl 2-hexenoate	1279	09.568	3928	(Z)-3-Hexenyl (E)-2-hexenoate; cis,trans-3,2hexenylhexanoate; (3Z)-hexenyl (E)-hexenoate
1276.	(Z)-4-Hepten-1-ol	1280	02.249	3841	(Z)-4-Heptenol; cis-4-heptenol; (4Z)-hepten-1-ol
1277.	Ethyl cis-4-heptenoate	1281	09.922	3975	Ethyl(Z)-4-heptenoate; (4Z)-ethylheptenoate
1278.	(Z)-5-Octenyl propionate	1282	09.932	3890	cis-5-Octenyl propionate; (5Z)-octenyl propionate
1279.	(Z,Z)-3,6-Nonadien-1-ol	1283	02.189	3885	cis,cis-3,6-Nonadien-1-ol; (Z,Z)-nona-3,6-dien-1-ol
1280.	(E,Z)-3,6-Nonadien-1-ol	1284	02.243	3884	(3E,6Z)-Nona-3,6-dienol; trans,cis-3,6-nonadien-1-ol
1281.	(E,Z)-3,6-Nonadien-1-ol acetate	1285	09.674	3953	(3E,6Z)-Nona-3,5-dienyl acetate
1282.	9-Decenal	1286	05.139	3912	Dec-9-enal
1283.	4-Decenoic acid	1287	08.075	3914	Dec-4-enoic acid
1284.	cis-4-Decenyl acetate	1288	09.918	3967	(Z)-4-Decenyl acetate
1285.	Erythro- and threo-3-mercapto-2-methylbutan-1-ol	1289	12.291	3993	Mercapto-2-methylbutan-1-ol; 3-mercapto-2-methyl-1-butanol
1286.	(±)-2-Mercaptomethylpentan-1-ol	1290	12.241	3995	2-Mercapto-2-Methyl-1-Pentanol; 2-mercapto-2-methylpentan-1-ol
1287.	3-Mercapto-2-methylpentan-1-ol (racemic)	1291	12.238	3996	3-Mercapto-2-methylpentanol; 3-mercapto-2-methylpentan-1-ol

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1288.	3-Mercapto-2-methylpentanal	1292	12.239	3994	-
1289.	4-Mercapto-4-methyl-2-pentanone	1293	12.169	3997	2-Mercapto-2-methylpentan-4-one; 2-methyl-4-oxopentane-2-thiol
1290.	(±)-Ethyl 3-mercaptopbutyrate	1294	12.255	3977	Ethyl 3-mercaptopbutyrate
1291.	Ethyl 4-(acetylthio)butyrate	1295	12.257	3974	-
1292.	Spiro[2,4-dithia-1-methyl-8-oxabicyclo(3.3.0)octane-3,3'-(1'-oxa-2'-methyl)-cyclopentane]	1296	15.007	3270	2',3-Dimethyl-3',4-dioxo-2,8-dithiabicyclo[3.3.0]octane spirocyclopentane; spiro(2,4-dithia -6-methyl-7-oxabicyclo[3.3.0]octane-3,3'-(1'-oxa-2'-methyl)-cyclopentane)
1293.	2-(Methylthio)ethanol	1297	12.179	4004	2-Methanesulfanylethanol; hydroxyethyl methyl sulfide; beta-hydroxyethyl methyl sulfide; beta-methylmercaptoethanol; beta-(methylthio)ethanol; 2-methylmercaptoethanol; 2-hydroxyethyl methyl sulfide
1294.	Ethyl 5-(methylthio)valerate	1298	12.212	3978	Ethyl (5-methylthio)pentanoate
1295.	2,3,5-Trithiahexane	1299	12.198	4021	2,4,5-Trithiahexane; methyl methylthiomethyl disulfide; (methylthio)(methylthio)methane
1296.	Diisopropyl trisulfide	1300	12.280	3968	bis(1-Methylethyl)trisulfide; isopropyltrisulfide; 2,6-dimethyl-3,4,5-trithiaheptane
1297.	Indole	1301	14.007	2593	1-Benzazole; benzopyrrole; 1-benzo(b)pyrrole; 2,3-benzopyrrole
1298.	6-Methylquinoline	1302	14.042	2744	p-methylquinoline; p-toluquinoline
1299.	Isoquinoline	1303	14.001	2978	2-Azanaphthalene; 2-

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					benzazine;benzo(c)pyridine;3,4-benzopyridine
1300.	Skatole	1304	14.004	3019	3-Methylindole; 3-methyl-4,5-benzopyrrole;beta-methylindole;3-methylindole
1301.	1-Ethyl-2-acetylpyrrole	1305	14.045	3147	2-Acetyl-1-ethylpyrrole; 1-ethyl-2-acetylazole; 1-(n-ethylpyrrol-2-yl)ethanone
1302.	1-Methyl-2-acetylpyrrole	1306	14.046	3184	2-Acetyl-1-methylpyrrole; methyl1-methylpyrrol-2-ylketone;1-methylpyrrol-2-ylmethylketone
1303.	Methyl 2-pyrrolyl ketone	1307	14.047	3202	2-Acetylpyrrole; 2-acetylpyrrole;methylpyrrolylketone;2-pyrrolylmethylketone
1304.	2-Pyridinemethanethiol	1308	14.030	3232	2-Pyridylmethanethiol;2-pyridylmethylmercaptan
1305.	2-Acetylpyridine	1309	14.038	3251	2-Acetopyridine;methyl2-pyridylketone
1306.	n-Furfurylpyrrole	1310	13.134	3284	1-Furfurylpyrrole; 1-(2-furfuryl)pyrrole; 1-furfuryl-1H-pyrrole
1307.	2-(2-Methylpropyl)pyridine	1311	14.058	3370	Isobutylpyridine; 2-isobutylpyridine
1308.	3-(2-Methylpropyl)pyridine	1312	14.059	3371	3-Isobutylpyridine;3-(2-butyl)pyridine
1309.	2-Pentylpyridine	1313	14.060	3383	2-Amylpyridine
1310.	Pyrrole	1314	14.041	3386	Azole;divinyleneimine;imidole
1311.	3-Ethylpyridine	1315	14.061	3394	beta-Ethylpyridine;beta-lutidine
1312.	3-Acetylpyridine	1316	14.039	3424	Methyl3-pyridylketone;beta-acetylpyridine; 1-(3-pyridinyl)ethanone
1313.	2,6-Dimethylpyridine	1317	14.065	3540	2,6-Lutidine
1314.	5-Ethyl-2-methylpyridine	1318	14.066	3546	2-Ethyl-5-methylpyridine;5-ethyl-2-picoline
1315.	2-Propionylpyrrole	1319	14.068	3614	Ethyl2-pyrrolyl ketone;1-(2-pyrrolyl)-1-propanone
1316.	Methyl nicotinate	1320	14.071	3709	Methyl 3-pyridinecarboxylate; 3-carbomethoxy pyridine;methyl-3-pyridinecarboxylate

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1317.	2-(3-Phenylpropyl)pyridine	1321	14.072	3751	-
1318.	2-Propylpyridine	1322	14.164	4065	1-(2-Pyridyl)propane;2-n-propylpyridine;conyrine
1319.	Camphene	1323	01.009	2229	2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane;3,3-dimethyl-2-methylenenorcamphane; 2,2-dimethyl-3-methylenenorbornane
1320.	beta-Caryophyllene	1324	01.007	2252	4,11,11-Trimethyl-8-methylene-bicyclo[7.2.0]undec-4(trans)-ene; caryophyllene;(E)-caryophyllene;trans-caryophyllene
1321.	p-Cymene	1325	01.002	2356	1-Isopropyl-4-methylbenzene; cymene;p-isopropyltoluene;p-methylcumene;1-methyl-4-isopropylbenzene
1322.	d-Limonene	1326	01.045	2633	p-Mentha-1,8-diene; hesperidine; 4-isopropenyl-1-methyl-1-cyclohexene; (+)-p-mentha-1,8-diene; 1,8(9)-p-menthadiene
1323.	Myrcene	1327	01.008	2762	7-Methyl-3-methyleneocta-1,6-diene; 7-methyl-3-methylene-1,6-octadiene;2-methyl-6-methylene-2,7-octadiene;3-methylene-7-methyl-1,6-octadiene
1324.	alpha-Phellandrene	1328	01.006	2856	P-Mentha-1,5-diene;5-isopropyl-2-methyl-1,3-cyclohexadiene;menthadiene;dihydro-p-cymene
1325.	alpha-Pinene	1329	01.004	2902	2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene; 2-pinene;2,6,6-trimethylbicyclo[3.1.1]hept-2-ene; pin-2(3)-ene
1326.	Beta-Pinene	1330	01.003	2903	2(10)-Pinene;6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane;pseudopinene;6,6-dimethyl-2-methylenorpinane; pin-2(10)-ene

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1327.	Terpinolene	1331	01.005	3046	P-Mentha-1,4(8)-diene;4-isopropylidene-1-methylcyclohexene;isoterpinene
1328.	Biphenyl	1332	-	3129	Diphenyl;bibenzene;phenylbenzene
1329.	p,α-Dimethylstyrene	1333	01.010	3144	1-Isopropenyl-4-methylbenzene; 1-methyl-4-(1-methylethenyl)benzene;1-methyl-4-isopropenylbenzene;1-p-tolyl-1-methylethylene;4-isopropenyltoluene
1330.	4-Methylbiphenyl	1334	-	3186	4-Methyl-1,1'-biphenyl; 1-methyl-4-phenylbenzene;4-methyldiphenyl;4-phenyltoluene;p-methylbiphenyl
1331.	Bisabolene	1336	01.016	3331	6-Methyl-2-(4-methylcyclohex-3-enylidene)hept-5-ene; 2-heptene,2-methyl-6-(4-methyl-3-cyclohexen-1-ylidene)-;g-bisabolene
1332.	Valencene	1337	01.017	3443	1,2-Dimethyl-9-isopropylene-bicyclo[4.4.0]dec-5-ene; 4.β.H,5.α.-eremophila-1(10),11-diene
1333.	3,7-Dimethyl-1,3,6-octatriene	1338	01.018	3539	3,7-Dimethylocta-1,3(trans)-6-triene; beta-ocimene;ocimene;trans-beta-ocimene
1334.	p-Mentha-1,3-diene	1339	01.019	3558	α-Terpinene;terpilene; 1-isopropyl-4-methyl-1,3-cyclohexadiene; 1-methyl-4-(1-methylethyl)-1,3-cyclohexadiene
1335.	p-Mentha-1,4-diene	1340	01.020	3559	γ-terpinene; 1-isopropyl-4-methyl-1,4-cyclohexadiene; 1-methyl-4-(1-methylethyl)-1,4-cyclohexadiene

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1336.	1,3,5-Undecatriene	1341	01.061	3795	Undeca-1,3,5-triene
1337.	d-3-Carene	1342	01.029	3821	3,7,7-Trimethyl-bicyclo-[4.1.0] hept-3-ene; 3-carene;(+)-3-carene
1338.	Farnesene (alpha and beta)	1343	01.040	3839	Mixture of 3,7,11-trimethyldodeca-1,3,6,10-tetraeneand3-methylene-7,11-dimethyldodeca-1,6,10-triene
1339.	1-Methyl-1,3-cyclohexadiene	1344	01.077	-	2,3-Dihydrotoluene
1340.	beta-Bourbonene	1345	01.024	-	(-)-beta-Bourbonene;1,2,3,3a,3b.beta.,4,5,6,6a.beta.,6b.alpha.-decahydro-1.alpha.-isopropyl-3a.alpha.-methyl-6-methylene-cyclobuta[1,2:3,4]dicyclopentene; 2-methyl-8-methylene-5-isopropyl-tricyclo(5,3,0,0(2.6))decane
1341.	Cadinene (mixture of isomers)	1346	-	-	1,2,4a,5,8,8a-Hexahydro-1-isopropyl-4,7-dimethylnaphthalene; cadina-3,9-diene
1342.	Guaiene	1347	01.026	-	2,8-Dimethyl-5-isopropylidene-bicyclo[5.3.0] dec-1(7)-ene; guaia-1(5),7(11)-diene;beta-guaiene;beta-guajene
1343.	Butyl 2-decenoate	1348	09.235	2194	Butyl dec-2-enoate; butyldecylenate
1344.	2-Decenal	1349	05.076	2366	Dec-2-enal; 2-decen-1-al;decenaldehyde;decylenicaldehyde;3-heptylacrolein
1345.	2-Dodecenal	1350	05.037	2402	2-Dodecen-1-Al;n-dodecen-2-Al;3-nonylacrolein
1346.	Ethyl acrylate	1351	09.037	2418	Ethyl prop-2-enoate; ethylpropenoate;ethyl2-propenoate;acrylicacideth

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					ylester;ethylacrylicester
1347.	Ethyl 2-nonynoate	1352	09.157	2448	EthylOctyneCarbonate
1348.	2-Hexenal	1353	05.073	2560	2-Hexen-1-Al;beta-propylacrolein;alpha-beta-hexylenealdehyde;leafaldehyde
1349.	2-Hexen-1-ol	1354	02.020	2562	Hex-2-enol; gamma-propylallyl alcohol; leafalcohol
1350.	2-(E)Hexen-1-yl acetate	1355	09.196	2564	Hex-2-enyl acetate; 2-hexenylethanoate; 1-acetoxy-2-hexene; hex-2-enylacetate; hex-2-(trans)enyl acetate
1351.	Methyl 2-nonynoate	1356	09.156	2726	MethylOctineCarbonate; methyloctynecarbonate
1352.	Methyl 2-octynoate	1357	09.158	2729	MethylHeptineCarbonate; methylheptynecarbonat; methyl-n-hept-1-yne-1-carboxylate
1353.	Methyl 2-undecynoate	1358	09.239	2751	MethylDecineCarbonate; methyldecynecarbonate
1354.	2-Tridecenal	1359	05.078	3082	Tridec-2-enal; 3-decylacrolein; tridecen-2-Al-1
1355.	trans-2-Heptenal	1360	05.150	3165	Hept-2(trans)-enal; beta-butylacrolein; 2-heptenicaldehyde
1356.	trans-2-Hexenoic acid	1361	08.054	3169	Hex-2(trans)-enoic acid; acrylic, beta-propylacrylic acid; hexen-2-oic acid
1357.	2-Nonenal	1362	05.171	3213	Non-2-enal; 2-nonen-1-Al; 3-hexylacrolein; heptylidene acetaldehyde; irisaldehyde
1358.	2-Octenal	1363	05.060	3215	Oct-2-enal; 2-octen-1-al; 2-pentylacrolein; alpha-amylacrolein
1359.	2-Pentenal	1364	05.102	3218	Pent-2-enal; 2-ethylacryl aldehyde; beta-ethylacrolein
1360.	trans-2-Nonen-1-ol	1365	02.090	3379	Non-2(trans)-en-1-ol; (E)-2-nonen-1-ol; trans-2-nonenol
1361.	2-Undecenal	1366	05.109	3423	2-Undecen-1-al; undecen-2-al; 3-

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					octylacrolein;undecylenic aldehyde
1362.	trans-2-Octen-1-yl acetate	1367	09.276	3516	Oct-2-enyl acetate; E-2-octenylacetate;trans-2-octenylacetate
1363.	trans-2-Octen-1-yl butanoate	1368	09.277	3517	Oct-2(trans)-enyl butyrate; trans-2-octen-1-ylbutyrate
1364.	cis-2-Nonen-1-ol	1369	02.112	3720	Non-2(cis)-en-1-ol; (z)-2-nonenylalcohol
1365.	(E)-2-Octen-1-ol	1370	02.192	3887	Oct-2-en-1-ol; 2-(E)-octanol;(E)-2-octenylalcohol
1366.	(E)-2-Butenoic acid	1371	08.072	3908	But-2-enoic acid; (E)-crotonicAcid
1367.	(E)-2-Decenoic acid	1372	08.073	3913	Dec-2(cis)-enoicacid
1368.	(E)-2-Heptenoic acid	1373	08.123	3920	Trans-2-heptenoicacid
1369.	(Z)-2-Hexen-1-ol	1374	02.156	3924	Hex-2(cis)-enol; (Z)-2-hexenol;cis-beta-gamma-hexenol
1370.	trans-2-Hexenyl butyrate	1375	09.396	3926	Hex-2-enyl butyrate; (E)-hex-2-enylbutyrate;(E)-hexenylbutanoate;trans-2-hexenylbutanoate
1371.	(E)-2-Hexenyl formate	1376	09.397	3927	Hex-2-enyl formate; trans-2-hexenylformate
1372.	trans-2-Hexenyl isovalerate	1377	09.399	3930	Hex-2-enyl 3-methylbutanoate; (E)-hex-2-enyl3-methylbutanoate
1373.	trans-2-Hexenyl propionate	1378	09.395	3932	Hex-2(trans)-enyl propionate; (E)-2-hexenylpropanoate
1374.	trans-2-Hexenyl pentanoate	1379	-	3935	Hex-2(trans)-enyl valerate; (E)-hex-2-enylvalerate;trans-2-hexenylvalerate
1375.	(E)-2-Nonenoic acid	1380	08.101	3954	Non-2-enoicacid
1376.	(E)-2-Hexenyl hexanoate	1381	09.398	3983	Hex-2-enyl hexanoate; trans-2-hexenylcaproate
1377.	(Z)-3- & (E)-2-Hexenyl propionate	1382	09.564	3778	Mixture of hex-3(cis)-enyl propionate and hex-2(trans)-enyl propionate; green note propionate; propanoic acid, cis-3, trans-2-hexenyl ester
1378.	(E)-2-Hexenal diethyl acetal	1383	06.031	4047	1,1-Diethoxyhex-2(cis)-ene; (E)-1,1-diethoxy-2-hexene;leafaldehydediethylacetal

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1379.	2-Undecen-1-ol	1384	02.210	4068	Undec-2-en-1-ol; 1-hydroxy-2-undecene;2-undecenol
1380.	Borneol	1385	02.016	2157	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ol; 2-bornanol;borneocamphor ;bornylalcohol;2-camphanol
1381.	Isoborneol	1386	02.059	2158	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ol; exo-2-bornanol;exo-2-camphanol;iso-camphol;isobornylalcohol; DL-isoborneol
1382.	Bornyl acetate	1387	09.017	2159	1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl acetate; borneolacetate; bornylaceticether;2-camphanylacetate
1383.	Isobornyl acetate	1388	09.218	2160	1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl acetate; isoborneolacetate;exo-2-bornylacetate;isobornyletanoate
1384.	Bornyl formate	1389	09.082	2161	1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl formate; bornylmethanoate;2-camphanylformate;endo-2-bornylformate;borneolformate
1385.	Isobornyl formate	1390	09.176	2162	1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl formate; exo-2-bornylformate;bornyl(iso)formate;exo-2-camphanylformate;isobornylmethanoate
1386.	Isobornyl propionate	1391	09.131	2163	1,7,7-Trimethylbicyclo[2.2.1]he

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					pt-2-Yl propanoate; isobornylpropionate; bornyl(iso)propionate; exo-2-bornylpropionate; exo-2-camphanylpropionate
1387.	Bornyl valerate	1392	09.153	2164	1,7,7-Trimethylbicyclo[2.2.1]hept-2-Yl pentanoate; bornylpentanoate; bornylvalerate; bornylvalerianate
1388.	Bornyl isovalerate (endo-)	1393	09.456	2165	1,7,7-Trimethylbicyclo[2.2.1]hept-2-Yl 3-methylbutanoate; bornylisopentanoate; bornylisovalerianate; bornyl 3-methylbutanoate; isovaleric acid, 2-bornylester
1389.	Isobornyl isovalerate	1394	09.457	2166	1,7,7-Trimethylbicyclo[2.2.1]hept-2-Yl 3-methylbutanoate; isobornylisopentanoate; isobornylisovalerianate; isobornyl 3-methylbutanoate
1390.	d-Camphor	1395	07.215	2230	DI-Bornan-2-one; 2-bornanone; 2-camphanone; formosacamphor; laurelcamphor
1391.	d-Fenchone	1396	07.159	2479	1,3,3-Trimethylbicyclo[2.2.1]heptan-2-one; 2-fenchone; D-1,3,3-trimethyl-2-norbornanone; D-1,3,3-trimethyl-2-norcamphanone
1392.	Fenchyl alcohol	1397	02.038	2480	1,3,3-Trimethylbicyclo[2.2.1]heptan-2-ol; 2-fenchanol; fenchol; 1,3,3-trimethyl-2-norbornanol
1393.	Nootkatone	1398	07.089	3166	4,4a,5,6,7,8-Hexahydro-4,4a-dimethyl-6-(1-

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					methylene-ethyl)-2(3h)-naphthalenone; 4,4a,5,6,7,8-hexahydro-6-iso-propenyl-4,4a-dimethyl-2(3H)-naphthalenone
1394.	1,3,3,-Trimethyl-2-norbornanyl acetate	1399	09.269	3390	1,3,3-Trimethyl-bicyclo[2.2.1]heptan-2-Yl acetate; fenchylacetate
1395.	Methyl jasmonate	1400	09.521	3410	Methyl 3-oxo-2-pent-2-enyl-1-cyclopentylacetate; methyl(2-pent-2-enyl-3-oxo-1-cyclopentyl)acetate
1396.	Cycloheptadeca-9-en-1-one	1401	07.110	3425	Cycloheptadenen-9-one-1;9-cycloheptadecen-1-one;civetone;civettone
1397.	3-Methyl-1-cyclopentadecanone	1402	07.111	3434	3-Methylcyclopentadecan-1-one; methylexaltone;D,L-muscone
1398.	2(10)-Pinen-3-ol	1403	02.100	3587	3-Hydroxy-6,6-dimethyl-2-methylene-bicyclo[3.1.1]heptane; pinocarveol
1399.	Verbenol	1404	02.101	3594	4,6,6-Trimethyl-bicyclo[3.1.1]hept-3-en-2-one; 2-pinen-4-ol
1400.	7-Methyl-4,4a,5,6-tetrahydro-2(3H)-naphthalenone	1405	07.136	3715	4,4a,5,6-Tetrahydro-7-methylnaphthalen-2(3H)-one
1401.	3-Methyl-2-(n-pentanyl)-2-cyclopenten-1-one	1406	07.140	3763	3-Methyl-2-pentylcyclopent-2-en-1-one; dihydrojasmone;3-methyl-2-pentylcyclopent-2-en-1-one
1402.	Dihydronootkatone	1407	07.153	3776	1,2,6-Trimethyl-9-isopropylene-bicyclo[4.4.0]decan-4-one; 1,10-dihydronootkatone;4b,H,5a-eremophil-11-en-2-one
1403.	3-L-Methoxypropane-1,2-diol	1408	02.224	3784	3-(1-Menthoxy)propane-1,2-diol; 3-L-(P-menthane-3-Yloxy)-1,2-propanediol
1404.	beta-Ionyl acetate	1409	09.305	3844	4-(2,2,6-Trimethylcyclohex-1-

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					enyl)but-3-en-2-Ylacetate
1405.	alpha-Isomethylionyl acetate	1410	-	3845	3-Methyl-4-(2,6,6-trimethylcyclohex-2-enyl)but-3-en-2-YlAcetate
1406.	3-(l-Menthoxy)-2-methylpropane-1,2-diol	1411	02.254	3849	(L)-2-Methyl-3-[5-methyl-2-(1-methylethyl)cyclohexyl]Oxy-1,2-propanediol; (1R, 2S, 5S)-3-menthoxy-2-methylpropane-1,2-diol
1407.	Bornyl butyrate	1412	09.319	3907	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-yl butanoate; bornylbutanoate;butyrica cid,2-bornylester
1408.	d,l-Menthol(+/-)-propylene glycol carbonate	1413	09.920	3992	2-HydroxypropylMenthane-3-YlCarbonate
1409.	l-Monomenthyl glutarate	1414	09.929	4006	(L)-Monomenthane-3-Yl glutarate; pentadienoicacid,mono[5 methyl-2-1(1-methylethyl)cyclohexyl]ester,[11];[1R(-)]monomenthylglutarate
1410.	l-Menthyl methyl ether	1415	16.088	4054	1-Isopropyl-2-methoxy-4-methylcyclohexane; 2-isopropyl-5-methylcyclohexylmethylether
1411.	p-Menthane-3,8-diol	1416	02.246	4053	2-(2'Hydroxypropan-2'-Yl)-5-methylcyclohexanol;2-hydroxy-alpha,alpha,4-trimethylcyclohexanemethanol
1412.	beta-Alanine	1418	17.001	3252	3-Aminopropanoic acid; beta-aminopropionicacid
1413.	l-Cysteine	1419	17.033	3263	Alpha-amino-beta-mercaptopropionicacid;2-amino-3-mercaptopropionicacid;l-beta-mercaptoalanine;alpha-amino-beta-thiolpropionicacid
1414.	l-Glutamic acid	1420	-	3285	L-(+)-Glutamic Acid; L-alpha-aminoglutaric acid; l-2-amino-pentanedioic

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					acid; glutamicacid
1415.	Glycine	1421	17.034	3287	AminoaceticAcid;glycoll;a minoethanoicacid
1416.	dl-isoleucine	1422	17.010	3295	2-Amino-3-methylpentanoic acid; Dl-2-amino-3-methylvalericacid;alpha-amino-beta-methylvalericacid
1417.	l-leucine	1423	17.012	3297	2-AminoisobutylaceticAcid; L-2-amino-4-methylvalericacid;alpha-aminoisocaproicacid;2-amino-4-methylpentanoicacid
1418.	dl-methionine	1424	17.014	3301	2-Amino-4-(methylthio)butanoic acid; Dl-2-amino-4-(methylthio)butyricacid;2-amino-4-(methylthio)butanoicacid; 2-amino-G-(methylthio)butyricacid
1419.	l-proline	1425	17.019	3319	Pyrrolidine-2-carboxylic acid; L-pyrroliidencarboxylicAcid
1420.	dl-valine	1426	17.023	3444	2-Amino-3-methylbutanoic acid; alpha-aminoisovalericacid;2-amino-3-methylbutanoicacid;2-amino-3-methylbutyricacid
1421.	dl-(3-Amino-3-carboxypropyl)dimethylsulfonium chloride	1427	17.015	3445	S-Methylmethioninesulphonium chloride; Dl-methylmethioninesulfoniumchloride;Dl-(3-amino-3-carboxypropyl)dimethylsulfoniumchloride;vitaminU
1422.	l-Phenylalanine	1428	17.018	3585	L-Alpha-amino-beta-phenylpropionicacid;aminohydrocinnamicacid;L-2-amino-3-phenylpropionicacid
1423.	l-Aspartic acid	1429	17.005	3656	2-Aminobutanedioic acid; L-aminosuccinincacid
1424.	l-glutamine	1430	17.007	3684	L-

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
					Aminoglutaramicacid; glutamicacid-5-amide
1425.	l-histidine	1431	17.008	3694	L-Alpha-amino-4(or5)-imidazolepropionicacid;2-amino-3(4-imidasyl)propionicacid
1426.	dl-phenylalanine	1432	17.017	3726	DL-Alpha-amino-beta-phenylproionic acid,2-aminohydrocinnamicacid
1427.	l-tyrosine	1434	17.022	3736	L-Beta-(p-hydroxyphenyl)alanine
1428.	Taurine	1435	16.056	3813	2-Aminoethanesulfonic acid
1429.	dl-alanine	1437	17.024	3818	DL-Aminopropanoicacid;(S)-2-aminopropanoicacid;DL-2-aminopropanoicacid;DL-2-aminopropionicacid
1430.	l-arginine	1438	17.003	3819	L-2-Aminoguanidinovalericacid;(S)-2-amino-5-guanidinovalericacid
1431.	l-lysine	1439	17.026	3847	(S)2,6-Diaminocaproicacid;L-2,6-diaminohexanoicacid;a,e-diaminocaproicacid
1432.	2-Hexyl-4-acetoxytetrahydrofuran	1440	-	2566	4-Acetoxy-2-hexyl-tetrahydrofuran
1433.	2-(3-Phenylpropyl)tetrahydrofuran	1441	13.007	2898	2-Hydrocinnamyltetrahydrofuran
1434.	Tetrahydrofurfuryl acetate	1442	13.166	3055	Furfuryl alcohol,tetrahydro-,acetate;2-(acetoxymethyl)oxolane;2-(acetoxymethyl)tetrahydrofuran
1435.	Tetrahydrofurfuryl alcohol	1443	13.020	3056	2-(Hydroxymethyl)tetrahydrofuran;tetrahydro-2-furancarbinol;tetrahydro-2-furanmethanol;tetrahydro-2-furylmethanol
1436.	Tetrahydrofurfuryl	1444	13.048	3057	Butyricacid,tetrahydrofur

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
	butyrate				furylester
1437.	Tetrahydrofurfuryl propionate	1445	13.049	3058	Furfurylalcohol,tetrahydro-,propionate;propionicacid ,tetrahydrofurfurylester
1438.	4-Hydroxy-2,5-dimethyl-3(2H)-furanone	1446	13.010	3174	4-Hydroxy-2,5-dimethylfuran-3(2H)-one; furaneol;strawberryfuranone;2,5-dimethyl-3-hydroxy-4-oxo-4,5-dihydrofuran;2,5-dimethyl-4,5-dihydrofuran-3-ol-4-one
1439.	Tetrahydrofurfuryl cinnamate	1447	13.060	3320	Tetrahydrofurfuryl3-phenylprop-2-enoate
1440.	2-Methyltetrahydrofuran-3-one	1448	13.042	3373	4,5-Dihydro-2-methylfuran-3(2H)-one; dihydro-2-methyl-3(2H)-furanone;2-methyl-2H-furan-3-one;2-methyl-3-ketotetrahydrofuran;2-methyl-3-oxotetrahydrofuran
1441.	2-Ethyl-4-hydroxy-5-methyl-3(2H)-furanone	1449	13.084	3623	2-Ethyl-5-methyl-4,5-dihydrofuran-3-ol-4-one;2-methyl-4-hydroxy-5-ethylfuran-3-one;4-hydroxy-2-methyl-5-ethyl-2,3-dihydrofuran-3-one;homofuraneol
1442.	4-Hydroxy-5-methyl-3(2H)-furanone	1450	13.085	3635	4-Hydroxy-5-methylfuran-3(2H)-one; 4-hydroxy-5-methyl-2,3-dihydrofuran-3-one; 5-methyl-4-hydroxy-2,3-dihydrofuran-3-one; 5-methyl-4-hydroxy-3(2H)-furanone
1443.	2,5-Dimethyl-4-methoxy-3(2H)-furanone	1451	13.089	3664	2,5-Dimethyl-4-methoxyfuran-3(2H)-one; 2,5-dimethyl-4-methoxy-2,3-dihydro-3-furanone; 2,5-dimethyl-4-methoxy-2H-furan-3-one;4-methoxy-2,5-dimethyl-3(2H)-furanone;mesifuran
1444.	2,2-Dimethyl-5-(1-methylprop-1-yl)tetrahydrofuran	1452	13.090	3665	2,2-Dimethyl-5-(1-methylprop-1-enyl)tetrahydrofuran;

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
					ocimen quintoxide
1445.	2,5-diethyltetrahydrofuran	1453	13.095	3743	-
1446.	cis- and trans-Linalool oxide	1454	13.140	3746	2-Methyl-5-(1-hydroxy-1-methylethyl)-2-vinyltetrahydrofuran; linalool oxide; 2-(5-ethenyl-5-methyltetrahydrofuran-2-yl)propan-2-ol
1447.	5-Isopropenyl-2-methyl-2-vinyltetrahydrofuran (cis and trans mixture)	1455	13.097	3759	(E)-Furanoid linalool oxide; trans-furanoid linalool oxide; tetrahydro-A,A-5-trimethyl-5-vinylfurfuryl alcohol; trans-5-ethenyltetrahydro-A,A-5-trimethyl-2-furanmethanol; 2-(1-methylene-ethyl)-5-methyl-5-vinyltetrahydrofuran; anhydrolinalool oxide (5)
1448.	4-Acetoxy-2,5-dimethyl-3(2H)furanone	1456	13.099	3797	4-Acetoxy-2,5-dimethylfuran-3(2H)-one; furaneol acetate; 3(2H)-furanone, 4-hydroxy-2,5-dimethyl-, acetate
1449.	(+/-)-2-(5-Methyl-5-vinyl-tetrahydrofuran-2-yl)propionaldehyde	1457	-	4058	Lilac aldehyde
1450.	Ethyl 4-phenylbutyrate	1458	09.728	2453	Butyric acid, 4-phenylethyl ester; ethyl 4-phenylbutanoate
1451.	beta-Methylphenethyl alcohol	1459	02.073	2732	2-Phenylpropan-1-ol; 1-hydroxy-2-phenylpropane; 2-phenyl-1-propanol; 2-phenylpropanol; 2-phenylpropylalcohol
1452.	2-Methyl-4-phenyl-2-butyl acetate	1460	09.029	2735	Dimethylphenethylcarbinol acetate; 2-butanol, 2-methyl-4-phenyl-, acetate; dimethylphenethyl carbinyl acetate; 1,1-dimethyl-3-phenylpropyl acetate

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
1453.	2-Methyl-4-phenyl-2-butyl isobutyrate	1461	09.484	2736	Isobutyric acid, 1,1-dimethyl-3-phenylpropyl ester; 1,1-dimethyl-3-phenylpropyl 2-methylpropanoate; 1,1-dimethyl-3-phenylpropyl isobutyrat
1454.	2-Methyl-4-phenylbutyraldehyde	1462	05.046	2737	2-Methyl-4-phenylbutanal;alpha-methylbenzenebutanal
1455.	3-Methyl-2-phenylbutyraldehyde	1463	05.097	2738	alpha-Isopropylphenylacetaldehyde;3-methyl-2-phenylbutanal
1456.	Methyl 4-phenylbutyrate	1464	09.729	2739	Butyric acid,4-phenyl-, methyl ester; methyl4-phenylbutanoate
1457.	2-Methyl-3-(p-isopropylphenyl) propionaldehyde	1465	05.045	2743	alpha-Methyl-p-isopropylcinnamaldehyde ; cyclamal;3-(4-isopropylphenyl)-2-methylpropanal; cyclamen aldehyde; 3-(p-cumenyl)-2-methylpropionaldehyde
1458.	2-Methyl-3-tolylpropionaldehyde (mixed o-, m-, p-)	1466	05.134	2748	3-(4-Methylphenyl)2-methylpropanal; P,A-dimethylhydrocinnamaldehyde;2-methyl-3-(4-methylphenyl)propanal; 2-methyl-3-(2,3 or 4-methylphenyl)propanol
1459.	2-Phenylpropionaldehyde	1467	05.038	2886	2-Phenylpropanaldehyde; cumene aldehyde;alpha-formylethylbenzene; 2-phenylpropanal
1460.	2-Phenylpropionaldehyde dimethyl acetal	1468	06.030	2888	1,1-Dimethoxy-2-phenylpropane; 2-phenylpropanal dimethyl acetal;alpha-methylphenacetaldehyde dimethyl acetal
1461.	2-Phenylpropyl butyrate	1469	09.057	2891	2-Phenylpropyl n-butyrate;beta-methylphenethyl butyrate;alpha-phenylpropyl alcohol butyric ester

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
1462.	2-Phenylpropyl isobutyrate	1470	09.485	2892	2-Phenylpropylisobutyrate; hydrocinnamyl isobutyrate; 2-phenylpropyl-2-methylpropanoate
1463.	2-(p-Tolyl)propionaldehyde	1471	05.043	3078	A,4-Dimethylbenzeneacetaldehyde;2-(P-methylphenyl)propanal;2-(P-methylphenyl)propionaldehyde;2-(p-tolyl)propanal; 2-(4-methylphenyl)propanol
1464.	5-Methyl-2-phenyl-2-hexenal	1472	05.099	3199	2-Hexenal, 5-methyl-2-phenyl-;2-phenyl-5-methylhex-2-enal; coccal; 5-methyl-2-phenylhex-2-enal
1465.	4-Methyl-2-phenyl-2-pentenal	1473	05.100	3200	2-Pentenal, 4-methyl-2-phenyl-;2-Phenyl-4-methylpent-2-enal; 4-methyl-2-phenylpent-2-enal
1466.	2-Phenyl-2-butenal	1474	05.062	3224	2-Phenylcrotonaldehyde;alpha-phenylcrotonaldehyde;2-phenyl-2-butenal; 2-phenylbut-2(trans)-enal
1467.	Ethyl 2-ethyl-3-phenylpropanoate	1475	09.802	3341	Ethylbenzylbutanoate; alpha-ethylhydrocinnamic acid ethyl ester; ethyl 2-ethyl-3-phenylpropionate
1468.	2-Phenyl-4-pentenal	1476	05.115	3519	2-Phenylpent-4-enal;4-pentenal,2-phenyl
1469.	2-Methyl-4-phenyl-2-butanol	1477	02.108	3629	1,1-Dimethyl-3-phenylpropanol;2-(2-phenylethyl)-2-propanol;2-methyl-4-phenyl-2-butanol; dimethylphenethylcarbinol; 4-methyl-4-phenylbutan-2-ol
1470.	2-Oxo-3-phenylpropionic acid	1478	08.109	3892	3-Phenyl-2-oxopropanoic acid;3-phenylpyruvic acid
1471.	2-Oxo-3-phenylpropionic acid	1479	-	3892	Benzenepropanoic acid, alpha-oxo-, sodium salt

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	sodium salt				
1472.	Maltol	1480	07.014	2656	3-Hydroxy-2-methyl-4-pyrone; 2-methylpyromeconic acid; larixinic acid
1473.	Ethyl maltol	1481	07.047	3487	2-Ethyl-3-hydroxy-4H-pyran-4-one; 2-ethylpyromeconic acid; 2-ethyl-3-hydroxy-4-pyrone
1474.	Maltyl isobutyrate	1482	09.525	3462	Maltyl 2-methylpropanoate; 2-methyl-4-oxo-4H-pyran-3-yl isobutyrate; 2-methyl-4-pyran-3-yl 2-methylpropanoate; 2-Methyl-4H-pyran-4-one-3-yl 2-methylpropanoate
1475.	2-Methyl-3-(1-oxopropoxy)-4H-pyran-4-one	1483	-	3941	Maltol propionate; veltol propionate; 3-methyl-4H-pyran-4-one-3-yl propionate
1476.	2-Butyl-5- or 6-keto-1,4-dioxane	1484	13.028	2204	5(or 6)-Butyl-1,4-dioxan-2-one
1477.	2-Amyl-5 or 6-keto-1,4-dioxane	1485	13.027	2076	5(or 6)-Pentyl-1,4-dioxan-2-one; 5-pentyl-5 or 6-keto-1,4-dioxane; 2-pentyl-5 or 6-keto-1,4-dioxane
1478.	2-Hexyl-5 or 6-keto-1,4-dioxane	1486	-	2574	5(or 6)-Hexyl-1,4-dioxan-2-one; (1 or 2-hexyl-2-hydroxyethoxy)acetic acid, d-lactone
1479.	2-Methylfuran	1487	13.030	4179	alpha-Methylfuran; 5-methylfuran
1480.	2,5-Dimethylfuran	1488	13.029	4106	-
1481.	2-Ethylfuran	1489	13.092	3673	2-Ethyloxole
1482.	2-Butylfuran	1490	13.103	4081	-
1483.	2-Pentylfuran	1491	13.059	3317	2-Amylfuran
1484.	2-Heptylfuran	1492	13.069	3401	-
1485.	2-Decylfuran	1493	13.106	4090	-
1486.	3-Methyl-2-(3-methylbut-2-enyl)-furan	1494	13.148	4174	2-(3-Methyl-2-butenyl)-3-methylfuran; rosefuran
1487.	2,3-Dimethylbenzofuran	1495	13.074	3535	-
1488.	2,4-Difurfurylfuran	1496	13.107	4095	-
1489.	3-(2-Furyl)acrolein	1497	13.034	2494	Furylacrolein; 3-(2-furyl)acrylaldehyde; 3-(2-furyl)-2-propenal; 2-

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					furanacrolein; 3-(2-furyl)prop-2-enal
1490.	2-Methyl-3(2-furyl)acrolein	1498	13.046	2704	2-Methyl-3-(2-furyl)propenal;alpha-methylfurylacroleine; furfurylidene-2-propanal; 3-(2-furyl)-2-methylprop-2-enal
1491.	3-(5-Methyl-2-furyl)prop-2-enal	1499	13.150	4175	(5-Methylfuryl)acrolein;3-(5-methyl-2-furanyl)-2-propenal; 1-(5-methyl-2-furanyl)-1-propen-3-al;5-methyl-2-furanacrolein
1492.	3-(5-Methyl-2-furyl)-butanal	1500	13.058	3307	3-(5-Methyl-2-furyl)-butyraldehyde
1493.	2-Furfurylidenebutyraldehyde	1501	13.043	2492	3(2-Furyl)-2-ethylacrolein;2-ethyl-3(2-furyl)-2-propenal;2-ethyl-3(2-furyl)acrolein; furfurylidene-2-butanal
1494.	2-Phenyl-3-(2-furyl)prop-2-enal	1502	13.137	3586	3-(2-Furyl)-2-phenylprop-2-enal; 2-furfurylidenephenylacetaldehyde
1495.	2-Furyl methyl ketone	1503	13.054	3163	2-Acetylfuran; acetylfuran;methyl2-furyl ketone
1496.	2-Acetyl-5-methylfuran	1504	13.083	3609	Methyl 5-methyl-2-furyl ketone;1-(5-methyl-2-furyl) ethanone
1497.	2-Acetyl-3,5-dimethylfuran	1505	13.101	4071	3,5-Dimethyl-2-furylmethyl ketone
1498.	3-Acetyl-2,5-dimethylfuran	1506	13.066	3391	2,5-Dimethyl-3-acetylfuran
1499.	2-Butyrylfuran	1507	13.105	4083	Furyl n-propyl ketone;1-(2-furyl)-1-butanone;2-furyl propyl ketone
1500.	(2-Furyl)-2-propanone	1508	13.045	2496	Furyl acetone;methyl furfuryl ketone;furfuryl methyl ketone; 1-(2-furyl)-propan-2-one
1501.	2-Pentanoylfuran	1509	13.163	4192	Butyl2-furyl ketone;1-(2-furanyl)-1-pentanone
1502.	1-(2-Furyl)butan-3-one	1510	13.138	4120	1-(2-Furyl)-3-butanone;4-(2-Furyl)-2-butanone;furfurylacetone
1503.	4-(2-Furyl)-3-buten-2-one	1511	13.044	2495	4-(2-Furyl)but-3-en-2-one; furylideneacetone;

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					furfural acetone
1504.	Pentyl 2-furyl ketone	1512	13.070	3418	2-Hexanoylfuran; 2-furyl pentyl ketone
1505.	Ethyl 3-(2-furyl)propanoate	1513	13.022	2435	Ethyl furfurylacetate;ethyl furylpropionate;ethyl 2-furanpropionate; ethyl 3(2-furyl)propionate
1506.	Isobutyl 3-(2-furan)propionate	1514	13.024	2198	Isobutyl 2-furanpropionate; isobutyl furylpropionate; isobutyl 3-(2-furyl)propanoate; 2-methylpropyl 3-(2-furyl)propanoate
1507.	Isoamyl 3-(2-furan)propionate	1515	13.023	2071	2-Isoamyl furfurylacetate;3-methylbutyl 3(2-furyl)propionate;isoamyl 2-furanpropionate; 3-methylbutyl 3-(2-furan)propanoate; isopentyl 3-(2-furan)propionate
1508.	Isoamyl 4-(2-furan)butyrate	1516	13.021	2070	Isopentyl 2-furanbutyrate;alpha-isoamyl furfurylpropionate;3-methylbutyl 2-furanbutyrate; 3-methylbutyl 4-(2-furan)butanoate
1509.	Phenethyl 2-furoate	1517	13.006	2865	2-Phenylethyl 2-furoate; phenylethyl 2-furoate
1510.	Propyl 2-furanacrylate	1518	13.047	2945	2-Propenoic acid, 3-(2-furanyl)-, propyl ester;propyl 3-(2-furyl)acrylate; propyl 3(2-furyl)prop-2-enoate
1511.	2,5-Dimethyl-3-oxo-(2H)-fur-4-yl butyrate	1519	13.176	3970	4-Butyryloxy-2,5-dimethyl-3(2H)-furanone
1512.	2,5-Dimethyl-3-furanthiol acetate	1523	13.116	4034	S-(2,5-Dimethyl-3-furyl)ethanethioate; thioacetic acid S-(2,5-dimethyl-furan-3-yl) ester; 2,5-dimethyl-3-thioacetoxyfuran
1513.	Furfuryl 2-methyl-3-furyl disulfide	1524	13.178	4119	Furfuryl 2-methyl-3-furyl disulfide; 3-[2-furanylmethyl]dithio]-2-methylfuran;2-methyl-3-

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					[(2-furanylmethyl)-dithio]furan;(2-methyl-3-furyl)furfuryldisulfide;3-(furfuryldithio)-2-ethylfuran; 3-[(2-furfuryl)dithio]-2-methylfuran
1514.	3-[(2-methyl-3-furyl)thio]-2-butanone	1525	13.190	4056	3-[(2-Methyl-3-furanyl)sulfanyl]-2-butanone;3-(2-methyl-3-furylthio)-2-butanone;3-[(2-methyl-3-furyl)sulfanyl]-2-butanone
1515.	O-Ethyl S-(2-furylmethyl)thiocarbonate	1526	-	4043	O-Ethyl S-(2-furanylmethyl)thiocarbonate;ethoxy carbonyl furfurylthiol;o-ethyl s-(furan-2-ylmethyl)thiocarbonate
1516.	4-allylphenol	1527	04.058	4075	4-(2-Propenyl)phenol;p-hydroxyallylbenzene;chavicol
1517.	2-Methoxy-6-(2-propenyl)phenol	1528	04.096	4490	2-Allyl-6-methoxyphenol;o-eugenol
1518.	Eugenol	1529	04.003	2467	Allylguaiacol;1-hydroxy-2-methoxy-4-propenylbenzene;2-methoxy-4-allylphenol; 4-allyl-2-methoxyphenol
1519.	Eugenyl formate	1530	09.088	2473	4-Allyl-2-methoxyphenyl formate; eugenolformate;4-(2-propen-1-yl)-2-methoxyphenylformate
1520.	Eugenyl acetate	1531	09.020	2469	4-Allyl-2-methoxyphenyl acetate; acetyleneugenol;eugenolacetate
1521.	Eugenyl isovalerate	1532	09.878	4118	4-Allyl-2-methoxyphenyl 3-methylbutanoate; 4-allyl-2-methoxyphenylisovalerate
1522.	Eugenyl benzoate	1533	09.766	2471	4-Allyl-2-methoxyphenyl benzoate; benzoyleneugenol;eugenolbenzoate
1523.	Methyl anthranilate	1534	09.715	2682	o-Amino methyl

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					benzoate; methyl o-aminobenzoate; methyl 2-aminobenzoate
1524.	Ethyl anthranilate	1535	09.716	2421	Ethyl 2-aminobenzoate; ethylo-aminobenzoate
1525.	Butyl anthranilate	1536	09.717	2181	Butylo-aminobenzoate;n-butylanthranilate
1526.	Isobutyl anthranilate	1537	09.718	2182	2-Methylpropyl 2-aminobenzoate; isobutyl2-aminobenzoate;isobutylo-aminobenzoat
1527.	cis-3-Hexenyl anthranilate	1538	09.561	3925	(Z)-3-Hexenyl2-aminobenzoate;hex-3(cis)-enyl anthranilate
1528.	Citronelly anthranilate	1539	-	4086	3,7-Dimethyloct-6-enyl2-aminobenzoate
1529.	Linalyl anthranilate	1540	09.721	2637	1,5-Dimethyl-1-vinylhex-4-enyl 2-aminobenzoate; 3,7-dimethyl-1,6-octadien-3-ylanthranilate;linalyl2-aminobenzoate;linalylo-aminobenzoate
1530.	Cyclohexyl anthranilate	1541	09.722	2350	Cyclohexyl2-aminobenzoate
1531.	beta-Terpinyl anthranilate	1542	09.724	3048	p-Menth-1-en-8-yl 2-aminobenzoate; p-menth-1-en-8-ylanthranilate;terpinyl2-aminobenzoate
1532.	Phenylethyl anthranilate	1543	09.723	2859	2-Phenylethyl 2-aminobenzoate; 2-phenylethylanthranilate; beta-phenethylo-aminobenzoate; phenethyl anthranilate
1533.	beta-Naphthyl anthranilate	1544	09.801	2767	Napth-2-yl 2-aminobenzoate; 2-naphthylo-aminobenzoate;2-naphthylanthranilate
1534.	Methyl N-methylanthranilate	1545	09.781	2718	2-Methylamino methyl benzoate; methyl 2-methylaminobenzoate; dimethyl anthranilate;

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					methyl N-methyl-2-aminobenzoate
1535.	Ethyl N-methylantranilate	1546	09.765	4116	Ethyl N-methyl-2-aminobenzoate; ethyl2-(methylamino)benzoate
1536.	Ethyl N-ethylantranilate	1547	09.764	4115	Ethyl N-ethyl-2-aminobenzoate; ethyl2-(ethylamino)benzoate
1537.	Isobutyl N-methylantranilate	1548	09.769	4149	2-Methylpropyl N-methyl-2-aminobenzoate; isobutyl2-(methylamino)benzoate
1538.	Methyl N-formylantranilate	1549	09.650	4171	Methyl N-Formyl-2-aminobenzoate; methyl2-(formylamino)benzoate
1539.	Methyl N-acetylantranilate	1550	09.649	4170	Methyl N-Acetyl-2-Aminobenzoate; methyl2-(acetylamino)benzoate; methyl2-acetamidobenzoate;o-acetamidobenzoicacidmethylester
1540.	Methyl N,N-dimethylantranilate	1551	09.648	4169	Methyl N,N-dimethyl-2-aminobenzoate; methyl2-(dimethylamino)benzoate
1541.	n-Benzoylanthranilic acid	1552	16.087	4078	2-(Benzoylamino)benzoic acid; 2-benzoylaminobenzoic acid;dianthramidB;2'-carboxybenzanilide;N-(2-carboxyphenyl)benzamide
1542.	Trimethyloxazole	1553	13.169	4394	2,4,5-Trimethyloxazole
1543.	2,5-Dimethyl-4-ethyloxazole	1554	13.118	4395	4-Ethyl-2,5-dimethyloxazole
1544.	2-Ethyl-4,5-dimethyloxazole	1555	13.091	3672	4,5-Dimethyl-2-ethyloxazole
1545.	2-Isobutyl-4,5-dimethyloxazole	1556	13.195	4397	2-(2-Methylpropyl)-4,5-dimethyloxazole
1546.	2-Methyl-4,5-benzoxazole	1557	13.154	4398	2-Methylbenzoxazole;2-methylbenzoxazol
1547.	2,4-Dimethyl-3-oxazoline	1558	13.115	4429	2,4-Dimethyl-2,5-dihydro-1,3-oxazole
1548.	2,4,5-Trimethyl-delta-3-oxazoline	1559	13.039	3525	2,4,5-Trimethyl-2,5-dihydrooxazole
1549.	Allyl isothiocyanate	1560	12.025	2034	Allylisulfocyanate;allylthiocarbonyl;2-propenylisothiocyanate
1550.	Butyl isothiocyanate	1561	12.107	4082	Butylmustardoil

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1551.	Benzyl isothiocyanate	1562	12.102	4428	Benzylmustardoil
1552.	Phenethyl isothiocyanate	1563	12.193	4014	Isothiocyanicacid,phenethyl ester;beta-phenethylisothiocyanate; 2-phenylethylisothiocyanate
1553.	3-Methylthiopropyl isothiocyanate	1564	12.030	3312	3-(Methylthio)propyl isothiocyanate; 3-methylmercaptopropylisothiocyanate
1554.	4-Acetyl-2-methylpyrimidine	1565	14.070	3654	-
1555.	5,7-Dihydro-2-methylthieno(3,4-d)pyrimidine	1566	14.014	3338	2-Methyl-5,7-dihydrothieno[3,4-d]pyrimidine
1556.	1-Phenyl-3 or 5-propylpyrazole	1568	14.029	3727	1-Phenyl-3or5-propyl-1,2-diazole
1557.	4,5-Dimethyl-2-propyloxazole	1569	13.112	-	2-Propyl-4,5-dimethyloxazole
1558.	4,5-Epoxy-(E)-2-decenal	1570	16.071	4037	4,5-Epoxydec-2(trans)-enal; 3-(3-pentyloxiran-2-yl)prop-(E)-2-enal
1559.	beta-Ionone epoxide	1571	07.170	4144	4-(1,2-Oxido-2,6,6-trimethylcyclohexyl)-3-buten-2-one;beta-ionone 5,6-epoxide;4-(2,6,6-trimethyl-1,2-epoxycyclohexyl)-3-buten-2-one; 4-(1,2-epoxy-2,6,6-trimethylcyclohexyl)but-3-en-2-one
1560.	trans-Carvone-5,6-oxide	1572	-	4084	5,6-Epoxy-p-menth-8-en-2-one; trans-carvoneoxide
1561.	Epoxyoxophorone	1573	-	4109	2,3-Epoxy-2,6,6-trimethyl-1,4-cyclohexanedione; 3,5,5-trimethyl-2,3-epoxycyclohexane-1,4-dione
1562.	Piperitenone oxide	1574	-	4199	1,2-Epoxy-p-menth-4(8)-en-3-one; (1S)-lippione;(+) -rotundifolone
1563.	beta-Caryophyllene oxide	1575	16.043	4085	4,5-Epoxy-4,12,12-trimethyl-8-methylene-bicyclo[8.2.0]dodecane; caryophylleneoxide;caryophylleneepoxide

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1564.	Ethyl 3-phenylglycidate	1576	16.018	2454	Ethyl phenylglycidate;ethyl alpha,beta-epoxy-beta-phenylpropionate; ethyl 3-phenyl-2,3-epoxypropionate
1565.	Ethyl methylphenylglycidate	1577	16.015	2444	Strawberry aldehyde;ethyl 3-methyl-3-phenylglycidate; ethyl 2,3-epoxy-3-methyl-3-phenylbutanoate
1566.	Ethyl methyl-p-tolylglycidate	1578	16.040	3757	Ethyl 2,3-epoxy-3-(4-methylphenyl)butanoate; ethylmethyl-p-methylphenylglycidate
1567.	Ethylamine	1579	11.015	4236	1-Aminoethane
1568.	Propylamine	1580	11.004	4237	1-Aminopropane;monopropylamine
1569.	Isopropylamine	1581	11.018	4238	2-Aminopropane; 1-amino-2-methylethane;1-methylethylamine;2-propylamine
1570.	Butylamine	1582	11.003	3130	1-Aminobutane;N-butylamine
1571.	Isobutylamine	1583	11.002	4239	2-Methylpropylamine; 1-amino-2-methylpropane
1572.	sec-Butylamine	1584	11.005	4240	1-Methylpropylamine; 2-aminobutane;2-butylamine
1573.	Pentylamine	1585	11.021	4242	1-Aminopentane;amylamine;norleucamine
1574.	2-Methylbutylamine	1586	11.020	4241	1-Amino-2-methylbutane;2-methyl-1-butylamine;2-ethylpropylamine
1575.	Isopentylamine	1587	11.001	3219	3-Methylbutylamine;l-isoaminopentane;isoamylamine;isobutylcarbylamine
1576.	Hexylamine	1588	11.016	4243	1-Aminohexane
1577.	Phenethylamine	1589	11.006	3220	beta-Phenylethylamine;2-aminoethylbenzene; 1-amino-2-phenylethane
1578.	2-(4-Hydroxyphenyl)ethylamine	1590	11.007	4215	4-(2-Aminoethyl)phenol;p-(2-aminoethyl)phenol;tyramine

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1579.	1-Amino-2-propanol	1591	-	3965	Isopropanolamine;alpha-aminoisopropylalcohol; 1-methyl-2-aminoethanol; 2-hydroxy-1-methylethanol
1580.	Butyramide	1593	16.049	4252	Butylamide
1581.	1,6-hexalactam	1594	16.052	4235	Caprolactam; 2-azacycloheptanone; hexahydro-2H-azepin-2-one
1582.	2-Isopropyl-N,2,3-trimethylbutyramide	1595	16.053	3804	6-Caprolactam; N,2,3-trimethyl-2-isopropylbutanamide; methyl diisopropyl propionamide; 2-isopropyl-N,2,3-trimethylbutanamide
1583.	N-Ethyl (E)-2,(Z)-6-nonadienamida	1596	16.094	4113	N-Ethyl (2E,6Z)-nonadienamida; N-ethyl (2E,6Z)-nonadienamida
1584.	N-Cyclopropyl (E)-2,(Z)-6-nonadienamida	1597	16.093	4087	N-Cyclopropyl(2E,6Z)-nonadienamida
1585.	N-Isobutyl (E,E)-2,4-decadienamida	1598	16.091	4148	N-(2-Methylpropyl)-(2E,6Z)-nonadienamida; (E,E)-N-(2-methylpropyl)-2,4-decadienamida; pellitorin; pellitorine; deca-(2E,4E)-dienoic acid isobutylamide
1586.	Nonanoyl 4-hydroxy-3-methoxybenzylamide	1599	16.006	2787	N-Nonanoyl vanillylamida; pelargonyl vanillylamida; N-(4-hydroxy-3-methoxybenzyl) nonanamide; N-nonanoyl 4-hydroxy-3-methoxybenzylamide
1587.	Piperine	1600	14.003	2909	1-(5-(3,4-Methylenedioxyphenyl)-1-oxo-2,4-pentadienyl)piperidina; piperoylpiperidina
1588.	N-Ethyl-2-isopropyl-5-methylcyclohexanecarboxamide	1601	16.013	3455	N-Ethyl-p-menthane-3-carboxamide; ethylmenthane carboxamide

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1589.	(+/-)-N,N-Dimethyl menthyl succinamide	1602	16.092	4231	N,N-Dimethyl N'-(3-menthyl) succinamide; (1R,2S,5R)- N,N-dimethyl menthyl succinamide
1590.	1-Pyrroline	1603	14.167	3898	3,4-Dihydro-(2H)-pyrroline;isopyrroline;3,4-dihydro-2H-pyrrole
1591.	2-Acetyl-1-pyrroline	1604	14.080	4249	-
1592.	Isopentylidene isopenylamine	1606	11.017	3990	N-Isoamylidene-isoamylamine;N-isopentylideneisopentylamine; N-(3-methylbutylidene)-3-methyl-1-butylamine
1593.	Piperidine	1607	14.010	2908	Pentamethylenimine;hexahydropyridine;hexazane
1594.	2-Methylpiperidine	1608	14.133	4244	2-Pipecoline
1595.	Pyrrolidine	1609	14.064	3523	Tetrahydropyrrole; tetramethyleneamine;azacyclopentane;butylenimine
1596.	Trimethylamine	1610	11.009	3241	-
1597.	Triethylamine	1611	11.023	4246	-
1598.	Tripropylamine	1612	11.026	4247	Propyldi-n-propylamine;tri-n-propylamine
1599.	N,N-Dimethylphenethylamine	1613	-	4248	(R)-N,N-Dimethyl-.alpha.-phenylethylamine;(R)-N,N-[alpha]-trimethylbenzylamine
1600.	Trimethylamine oxide	1614	11.025	4245	Trimethylamine N-oxide dihydrate
1601.	Piperazine	1615	14.141	4250	Pyrazine hexahydride;diethylenediamine;hexahydropyrazine ;1,4-diazacyclohexane
1602.	Methyl 4-pentenoate	1616	-	4353	Allylacetic acid methyl ester;methyl allylacetate
1603.	2-Methylbut-2-en-1-ol	1617	02.174	4178	-
1604.	Ethyl 4-pentenoate	1618	-	4360	4-Ethoxycarbonylbut-1-ene
1605.	4-Pentenal	1619	05.174	4262	Pent-4-enal
1606.	3-Isopropenylpentanedioic acid	1620	-	4352	-
1607.	trans-3-Hexenol	1621	-	4356	Leaf alcohol;beta-gamma-hexenol;(3E)-hexenol;(E)-3-Hexen-1-ol;(E)-3-hexenol;trans-3-hexen-1-ol; (3E)-hexenol

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1608.	trans-4-Hexenal	1622	05.224	4046	Hex-4-enal;trans-hex-4-enal;4-hexenal trans;E-4-hexenal; 4(E)-hexenal
1609.	5-Hexenol	1623	-	4351	1-Hexen-6-ol;5-hexene-1-ol;6-hydroxy-1-hexene
1610.	Methyl (Z)-3-hexenoate	1624	09.937	4164	Methylcis-3-hexenoate; methyl 3(Z)-hexenoate
1611.	cis-4-Octenol	1625	02.244	4354	(Z)-4-Octen-1-ol;4(Z)-octenol
1612.	Ethyl (Z)-3-hexenoate	1626	09.939	4112	Ethyl cis-3-hexenoate; ethyl 3(Z)-hexenoate
1613.	3-Octenoic acid	1627	-	4362	delta-3-Octenoic acid;2-heptene-1-carboxylic acid
1614.	(Z)-3-Octenyl propionate	1628	-	4189	3(Z)-Octenyl propionate
1615.	trans-4-Octenoic acid	1629	-	4357	4-Octenoic acid, (E)-; 4(E)-octenoic acid
1616.	Methyl (Z)-5-octenoate	1630	09.934	4165	Methyl 5(Z)-octenoate
1617.	cis-5-Octenoic acid	1631	-	4350	(Z)-5-Octenoic acid; 5(Z)-octenoic acid
1618.	Ethyl 3-octenoate	1632	09.377	4361	Ethyl oct-3-enoate
1619.	cis-4-Decenol	1633	-	4349	(Z)-4-Decen-1-ol; 4(Z)-decenol
1620.	Isobutyl 10-undecenoate	1634	-	4358	-
1621.	11-Dodecenoic acid	1635	-	4355	-
1622.	(Z)-4-dodecenal	1636	05.220	4036	Cis-dodec-4-en-1-al;tangerinal; (4)Z-dodecenal
1623.	cis-9-Octadecenol	1637	-	4363	(Z)-9-Octadecen-1-ol;(Z)-9-octadecenol;9-cis-octadecenol;cis-delta-9-octadecenol;cis-9-octadecen-1-ol;cis-9-octadecenyl alcohol; 9(Z)-octadecenol
1624.	cis-9-Octadecenyl acetate	1638	-	4359	(Z)-9-Octadecenyl acetate;(Z)-9-octadecenyl acetate;cis-9-octadecen-1-yl acetate;oleyl acetate
1625.	Methyl 10-undecenoate	1639	-	4253	-
1626.	(Z)-8-Tetradecenal	1640	05.208	4066	(Z)-Tetradec-8-enal; 8(Z)-

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					tetradecenal
1627.	9-Octadecenal	1641	05.203	4059	Olealdehyde;elialdehyde;o ctadecenyl aldehyde;oleic aldehyde
1628.	(E)-4-Nonenal	1642	-	4302	(E)-Non-4-enal;trans-4-nonenal;4(E)-nonenal
1629.	2,3,4-Trimethyl-3-pentanol	1643	02.245	3903	Diisopropylmethylcarbinol
1630.	(+/-)-2,4,8-Trimethyl-7-nonen-2-ol	1644	02.250	4212	-
1631.	(E)- and (Z)-2,4,8-Trimethyl-3,7-nonadien-2-ol	1645	02.251	4211	2,4,8-Trimethyl-3,7-nonadien-2-ol
1632.	Nerolidol	1646	02.018	2772	3,7,11-Trimethyl-1,6(cis),10-dodecatrien-3-ol; methylvinylhomogeranylcarbinol;3,7,11-trimethyl-1,6,10-dodecatrien-3-ol
1633.	6-Acetoxydihydrotheaspirane	1647	13.087	3651	2,6,10,10-Tetramethyl-1-oxaspiro[4.5]decan-6-yl acetate; [2alpha,5alpha(S)]-2,6,10,10-tetramethyl-1-oxaspiro[4.5]decan-6-ylacetate
1634.	6-Hydroxydihydrotheaspirane	1648	13.076	3549	6-Hydroxy-2,6,10,10-tetramethyl-1-oxaspiro[4.5]decane; 2,6,10,10-tetramethyl-1-oxaspiro[4.5]-decan-6-ol
1635.	1-Phenyl-3-methyl-3-pentanol	1649	02.037	2883	Phenylethyl methyl ethyl carbinol; 3-methyl-1-phenyl-3-pentanol
1636.	p-alpha,alpha-Trimethylbenzyl alcohol	1650	02.042	3242	p-Cymen-8-ol;dimethyl p-tolyl carbinol;2-(4-methylphenyl)-2-propanol;2-p-tolyl-2-propanol; 2-(4-methylphenyl)propan-2-ol
1637.	(+/-)-Ethyl 2-hydroxy-2-methylbutyrate	1651	-	4268	-
1638.	(+/-)-Ethyl 2-hydroxy-3-methylvalerate	1652	-	4269	Ethyl 2-hydroxy-3-methylpentanoate
1639.	alpha,alpha-Dimethylphenethyl alcohol	1653	02.035	2393	2-Hydroxy-2-methyl-1-phenylpropane;benzyl dimethyl carbinol;2-benzyl-2-propanol;alpha,alpha-dimethylphenethanol; 2-

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					methyl-1-phenylpropan-2-ol
1640.	alpha,alpha-Dimethylphenethyl formate	1654	09.086	2395	Benzyl dimethyl carbonyl formate;2-benzyl-2-propyl formate;dimethyl benzyl carbonyl formate; 2-methyl-1-phenyl-2-propyl formate
1641.	alpha,alpha-Dimethylphenethyl acetate	1655	09.227	2392	Benzyl dimethyl carbonyl acetate;2-benzyl-2-propyl acetate;dimethyl benzyl carbonyl acetate;2-methyl-1-phenyl-2-propyl acetate; 1,1-dimethyl-2-phenethyl acetate
1642.	alpha,alpha-Dimethylphenethyl butyrate	1656	09.232	2394	Benzyl dimethyl carbonyl butyrate;2-benzyl-2-propyl butyrate;dimethyl benzyl carbonyl butyrate;2-methyl-1-phenyl-2-propyl butyrate; 1,1-dimethyl-2-phenylethyl butyrate
1643.	alpha,alpha-Dimethylbenzyl isobutyrate	1657	09.509	2388	Alpha,alpha-dimethylbenzyl 2-methylpropanoate;2-methyl-1-phenyl-2-propyl isobutyrate;phenyl dimethyl carbonyl isobutyrate;2-phenylpropan-2-yl isobutyrate; 1-methyl-1-(2-phenylethyl) isobutyrate; 1-methyl-1-phenethyl isobutyrate
1644.	Ethanethiol	1659	12.017	4258	Ethylmercaptan
1645.	Ethane-1,1-dithiol	1660	12.293	4111	Ethan-1,1-dithiol
1646.	Dimercaptomethane	1661	12.243	4097	Methanedithiol
1647.	1-Pentanethiol	1662	12.191	4333	Amyl mercaptan;pentyl mercaptan;amyl hydrosulfide;amyl sulfhydrate; pentane-1-thiol
1648.	Heptane-1-thiol	1663	12.130	4259	Heptylmercaptan
1649.	2-Heptanethiol	1664	12.288	4128	(+/-)-2-Heptanethiol; heptane-2-thiol
1650.	(+/-)-1-Phenylethylmercapta	1665	12.289	4061	1-Phenylethanethiol;1-phenylethylthiol

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	n				
1651.	2-Mercaptoanisole	1666	12.139	4159	2-Methoxybenzene-1-thiol; o-methoxythiophenol;o-methoxybenzenethiol;2-methoxythiophenol;thioguaiacol; 2-methoxybenzene-1-thiol
1652.	Propyl 2-mercaptopropionate	1667	-	4207	-
1653.	Methionyl butyrate	1668	-	4160	3-(Methylthio)propyl butyrate
1654.	(+/-)-4-Mercapto-4-methyl-2-pentanol	1669	12.252	4158	-
1655.	4-Mercapto-2-pentanone	1670	12.264	4157	4-Mercaptopentan-2-one; 4,2-thiopentanone
1656.	(S)-1-Methoxy-3-heptanethiol	1671	12.276	4162	-
1657.	Diisopentylthiomalate	1672	12.108	4096	Di(3-methylbutyl) but-2(cis)-enebis(thioate); diisoamylthiomalate;bis(3-methylbutyl)mercaptosuccinate
1658.	cis- and trans-Mercapto-p-menthan-3-one	1673	12.259	4300	1-Mercapto-p-menthan-3-one
1659.	Methyl 3-mercaptobutanoate	1674	12.290	4167	-
1660.	Methylthiomethylmercaptan	1675	12.242	4185	(Methylthio)methanethiol
1661.	Thioacetic acid	1676	12.199	4210	Ethanethioic acid
1662.	(+/-)-Isobutyl 3-methylthiobutyrate	1677	12.214	4150	Isobutyl3-(methylthio)butyrate;2-methylpropyl3-(methylthio)butanoate;2-methylpropyl3-(methylthio)butyrate
1663.	(S)-Methyl propanethioate	1678	12.165	4172	-
1664.	(S)-Isopropyl 3-methylbut-2-enethioate	1679	12.134	4260	S-Isopropyl3-methylthiocrotonate;S-isopropylthiosenecioate
1665.	(S)-Ethyl 2-acetylaminoethanethioate	1680	-	4039	N-Acetylthioglycine, S-ethyl ester;N-acetylthiolethyl ester;S-ethyl 2-acetylaminoethanethiolate; S-ethyl 2-

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					acetylamino ethanethioate
1666.	Allyl thiohexanoate	1681	12.275	4076	2-(Allylsulfanyl)-1-heptenehydrate; hexanethioic acid, S-2-propenyl ester; allyl butanethioate
1667.	2-Methyl-1-methylthio-2-butene	1683	12.265	4173	(E)-2-Methyl-1-methylthio-2-butene
1668.	2,4,6-Trithiaheptane	1684	12.240	4214	-
1669.	(+/-)-2,8-Epithio-cis-p-menthane	1685	12.120	4108	4,7,7-Trimethyl-6-thiabicyclo[3.2.1]octane; 6-thiabicyclo[3.2.1]octane, 4,7,7-trimethyl-
1670.	(+/-)-3,5-Diethyl-1,2,4-trithiolane	1686	15.049	4030	-
1671.	Mixture of 3,6-diethyl-1,2,4,5-tetrathiane (approx. 55%) and 3,5-diethyl-1,2,4-trithiolane (approx. 45%)	1687	12.274	4094	-
1672.	3-(Methylthio)-2-butanone	1688	12.285	4181	-
1673.	4-(Methylthio)-2-pentanone	1689	12.286	4182	-
1674.	Methyl 3-(methylthio)butanoate	1690	12.287	4166	3-Methylsulfanylbutyric acid methyl ester; 3-(methylthio)butyric acid methyl ester
1675.	Methyl (methylthio)acetate	1691	12.146	4003	Methyl 2-(methylthio)acetate; (methylthio)acetic acid methyl ester
1676.	(+/-)-3-(Methylthio)heptanal	1692	12.273	4183	-
1677.	Ethyl methyl disulfide	1693	12.153	4040	2,3-Dithiapentane; methyl disulfanyl-ethane
1678.	Ethyl propyl disulfide	1694	12.126	4041	3,4-dithiaheptane; 1-ethyl disulfanyl-propane
1679.	Ethyl propyl trisulfide	1695	12.256	4042	3,4,5-Trithianonane
1680.	Methyl isopentyl disulfide	1696	12.294	4168	Methyl 3-methylbutyl disulfide
1681.	Amyl methyl disulfide	1697	12.253	4025	2,3-Dithiaoctane; 1-methyl disulfanyl-pentane; pentyl methyl disulfide
1682.	Butyl ethyl disulfide	1698	12.254	4027	3,4-Dithiaoctane; 1-ethyl disulfanyl-butane
1683.	Diethyl disulfide	1699	12.012	4093	3,4-

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					Dithiahexane;ethyl disulfide
1684.	Allyl propyl disulfide	1700	12.021	4073	4,5-Dithia-1-octene;propylallyl disulfide
1685.	Diethyl trisulfide	1701	12.114	4029	3,4,5-Trithiaheptane
1686.	Propyl propane thiosulfonate	1702	12.272	4263	-
1687.	(+/-)-3-(Ethylthio)butanol	1703	-	4282	-
1688.	Hexyl 3-mercaptobutanoate	1704	12.292	4136	Hexyl 3-mercaptobutyrate;3-mercaptobutanoic acid hexylester
1689.	(+/-)-3-Mercapto-1-butyl acetate	1705	-	4325	3-Mercaptobutylacetate;3-thiobutylacetate; 3-mercapto-1-butyl acetate
1690.	3-Mercapto-3-methyl-1-butyl acetate	1706	-	4324	3-Methyl-3-sulfanylbutylacetate; 3-mercapto-3-methylbutyl acetate
1691.	2,5-Dithiahexane	1707	-	4298	1,2-bis(Methylmercapto)ethane; 1,2-bis(methylthio)ethane
1692.	3-Mercaptoheptyl acetate	1708	12.297	4289	-
1693.	bis(1-Mercaptopropyl)sulfide	1709	12.284	4297	-
1694.	s-Allyl-L-cysteine	1710	17.036	4322	(2R)-2-Amino-3-(prop-2-en-1-ylsulfanyl)propanoic acid;(2R)-3-(allylthio)-2-aminopropanoic acid;(R)-allylthio-2-aminopropanoic acid;S-allylcysteine;(+)S-allylcysteine;S-2-propenylcysteine
1695.	2,4-Dimethyl-1,3-dioxolane	1711	06.077	4099	Acetaldehyde cyclic propylene acetal;propylene acetal
1696.	2-Hexyl-4,5-dimethyl-1,3-dioxolane	1712	06.089	4048	Heptanal 2,3-butandiol acetal; hexyl-4,5-dimethyl-1,3-dioxolane
1697.	cis- and trans-Ethyl 2,4-dimethyl-1,3-dioxolane-2-acetate	1715	06.087	4294	Ethyl 2,4-dimethyl-1,3-dioxolane-2-acetate

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1698.	Dihydroxyacetone dimer	1716	-	4033	2,5-Dihydroxy-1,4-dioxane-2,5-dimethanol
1699.	1-Hydroxy-2-butanone	1717	07.090	3173	2-Oxo-1-butanol; propionyl carbinol; ethyl hydroxymethyl ketone; 1-butanol-2-one; 1-hydroxybutan-2-one
1700.	Ethyl 3-acetoxy-2-methylbutyrate	1718	09.919	4038	3-Acetoxy-2-methylbutyric acid ethylester
1701.	Methyl 5-acetoxyhexanoate	1719	09.632	4055	5-Acetoxyhexanoic acid methyl ester
1702.	(+/-)-1-Acetoxy-1-ethoxyethane	1726	-	4069	Ethoxyethylacetate; 1-acetoxy-1-ethoxyethane
1703.	Acetaldehyde hexyl isoamyl acetal	1727	06.114	4365	1-Hexyloxy-1-(3-methylbutyl)oxypropane; 1-hexyloxy-1-isopentyloxyethane
1704.	1,1-Dimethoxy-trans-2-hexene	1728	06.072	4098	trans-2-Hexenal dimethyl acetal; 1,1-dimethoxyhex-(2E)-ene; 1,1-dimethoxyhex-2(trans)-ene
1705.	Acetaldehyde diisoamyl acetal	1729	06.055	4024	1,1-Di(3-methylbutoxy)ethane; 1,1-Diisopentyloxyethane; 3-methyl-1-[1-(3-methylbutoxy)-ethoxy]-butane
1706.	Isovaleraldehyde diethyl acetal	1730	06.059	4371	1,1-Diethoxyisopentane; 3-methylbutanal diethyl acetal; 1,1-diethoxy-3-methylbutane
1707.	Valeraldehyde dibutyl acetal	1731	-	4375	1,1-Dibutoxypentane
1708.	Isovaleraldehyde propyleneglycol acetal	1732	06.135	4286	4-Methyl-2-(2-methylpropyl)-1,3-dioxolane; 2-isobutyl-4-methyl-1,3-dioxolane
1709.	Isovaleraldehyde glyceryl acetal	1733	-	4380	4-Hydroxymethyl-2-(2-methylpropyl)-1,3-dioxolane and 5-Hydroxy-2-(2-methylpropyl)-1,3-dioxane
1710.	Valeraldehyde propyleneglycol acetal	1734	-	4372	2-Butyl-4-methyl-1,3-dioxolane

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1711.	Hexanal hexyl isoamyl acetal	1735	-	4369	1-Hexyloxy-1-(3-methylbutyl)oxyhexane
1712.	Hexanal octane-1,3-diol acetal	1736	-	4377	2,4-Dipentyl-1,3-dioxane
1713.	Hexanal butane-2,3-diol acetal	1737	-	4384	4,5-Dimethyl-2-pentyl-1,3-dioxolane
1714.	Hexanal dihexyl acetal	1738	-	4370	1,1-bis(Hexyloxy)hexane
1715.	Heptanal propyleneglycol acetal	1739	-	4368	Heptanal,cyclicpropylene acetal; 2-hexyl-4-methyl-1,3-dioxolane
1716.	2,6-Dimethyl-5-heptenal propyleneglycol acetal	1740	-	4382	2-(1,5-Dimethyl-4-hexenyl)-4-methyl-1,3-dioxolane
1717.	Octanal propyleneglycol acetal	1741	-	4383	2-Heptyl-4-methyl-1,3-dioxolane
1718.	Nonanal dimethyl acetal	1742	-	4367	Pelargonaldehyde dimethyl acetal;pelargonic aldehyde dimethyl acetal; 1,1-dimethoxynonane
1719.	Nonanal propyleneglycol acetal	1743	-	4373	2-Octyl-4-methyl-1,3-dioxolane; 4-methyl-2-octyl-1,3-dioxolane
1720.	Decanal propyleneglycol acetal	1744	-	4364	2-Nonyl-4-methyl-1,3-dioxolane
1721.	Undecanal propyleneglycol acetal	1745	-	4374	2-Decyl-4-methyl-1,3-dioxolane
1722.	Dodecanal dimethyl acetal	1746	-	4366	1,1'-bis(Methoxy)dodecane;do decanal dimethyl acetal;lauryl aldehyde dimethyl acetal; 1,1-dimethoxy-odecane
1723.	Acetaldehyde di-cis-3-hexenyl acetal	1747	-	4381	1,1-bis[3(Z)-Hexenyloxy]propane
1724.	Isobutanal propyleneglycol acetal	1748	-	4379	4-Methyl-2-(1-methylethyl)-1,3-dioxolane; 2-isopropyl-4-methyl-1,3-dioxolane
1725.	Acetaldehyde 1,3-octanediol acetal	1749	-	4376	2-Methyl-4-pentyl-1,3-dioxane
1726.	1-(3-Hydroxy-5-methyl-2-thienyl)ethanone	1750	15.127	4142	-
1727.	2-(4-Methyl-5-thiazolyl)ethyl formate	1751	-	4275	-
1728.	2-(4-Methyl-5-thiazolyl)ethyl propionate	1752	-	4276	-

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1729.	2-(4-Methyl-5-thiazolyl)ethyl butanoate	1753	-	4277	-
1730.	2-(4-Methyl-5-thiazolyl)ethyl isobutyrate	1754	-	4278	-
1731.	2-(4-Methyl-5-thiazolyl)ethyl hexanoate	1755	-	4279	-
1732.	2-(4-Methyl-5-thiazolyl)ethyl octanoate	1756	-	4280	-
1733.	2-(4-Methyl-5-thiazolyl)ethyl decanoate	1757	-	4281	-
1734.	2,5-Dimethylthiazole	1758	15.063	4035	-
1735.	2-Acetyl-2-thiazoline	1759	15.010	3817	Acetylthiazoline-2;2-acetyl-4,5-dihydrothiazole
1736.	2-Propionyl-2-thiazoline	1760	15.128	4064	1-(4,5-Dihydro-1,3-thiazol-2-yl)-1-propanone
1737.	cis- and trans-5-Ethyl-4-methyl-2-(2-methylpropyl)thiazoline	1761	15.130	4319	2-Isobutyl-4-methyl-5-ethylthiazoline;5-ethyl-2,5-dihydro-4-methyl-2-(2-methylpropyl)-thiazole; 5-Ethyl-4-methyl-2-(2-methylpropyl)-thiazoline
1738.	cis- and trans-5-Ethyl-4-methyl-2-(1-methylpropyl)thiazoline	1762	15.131	4318	5-Ethyl-2,5-dihydro-4-methyl-2-(1-methylpropyl)-thiazole; 5-ethyl-4-methyl-2-(1-methylpropyl)-thiazoline; 5-ethyl-4-methyl-2-(2-butyl)-thiazoline
1739.	Pyrrolidino-[1,2e]-4H-2,4-dimethyl-1,3,5-dithiazine	1763	15.055	4321	2,4-Dimethyl(4H)pyrrolidino[1,2e]-1,3,5-dithiazine;2,4-dimethyltetrahydropyrrolo[2,1-D][1,3,5]-dithiazine; 2,4-dimethyl-1-aza-3,5-dithiabicyclo[4.3.0]nonane
1740.	2-Hexylthiophene	1764	15.076	4137	-
1741.	3-(Methylthio)-methylthiophene	1765	15.126	4184	-

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1742.	5-Acetyl-2,3-dihydro-1,4-thiazine	1766	-	4296	-
1743.	N-(Heptan-4-yl)benzo[d][1,3]dioxole-5-carboxamide	1767	16.098	4232	N-(1-Propylbutyl)-1,3-benzodioxole-5-carboxamide
1744.	N1-(2,4-Dimethoxybenzyl)-N2-(2-(pyridin-2-yl)ethyl)oxalamide	1768	16.099	4233	N-[(2,4-Dimethoxyphenyl)methyl]-N'-[2-(pyridinyl)ethyl]ethanedia mide; N-(2,4-dimethoxybenzyl)-N'-(2-pyridin-2yl-ethyl)-oxalamide
1745.	N1-(2-Methoxy-4-methylbenzyl)-N2-(2-(5-methylpyridin-2yl)ethyl)oxalamide	1769	16.100	4234	N-[(2-Methoxy-4-methylphenyl)methyl]-N'-[2-(5-methyl-2-pyridinyl)ethyl]ethanedia mide
1746.	N1-(2-Methoxy-4-methylbenzyl)-N2-(2-(pyridin-2-yl)ethyl)oxalamide	1770	16.101	4231	N-[(2-Methoxy-4-methylphenyl)methyl]-N'-[2-(pyridinyl)ethyl]ethanedia mide
1747.	4-Aminobutyric acid	1771	17.035	4288	-
1748.	N-Gluconyl ethanolamine	1772	16.102	4254	N-(2-Hydroxyethyl)galactonamide
1749.	N-Gluconyl ethanolamine phosphate	1773	16.105	4255	N-[2-(Phosphonoxy)ethyl]galactonamide
1750.	N-Lactoyl ethanolamine	1774	16.103	4256	2-Hydroxy-N-(2-hydroxyethyl)propanamide
1751.	N-Lactoyl ethanolamine phosphate	1775	16.104	4257	2-Hydroxy-N-[2-(phosphonoxy)ethyl]propanamide
1752.	N-[(Ethoxycarbonyl)methyl]-p-menthane-3-carboxamide	1776	16.111	4309	[1R-(1alpha,2beta,5alpha)]-N-[5-Methyl-2-(1-methylethyl)cyclohexyl]carbonyl glycine ethyl ester; glycine, N-[[1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl]carbonyl]-, ethyl ester
1753.	N-[2-(3,4-Dimethoxyphenyl)ethyl]-3,4-dimethoxycinnamic acid amide	1777	16.090	4310	2-Propenamide, 3-(3,4-dimethoxyphenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-; rubenamin; N-[2-(3,4-dimethoxyphenyl)ethyl]-3,4-dimethoxycinnamic

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					acid amide
1754.	N-3,7-Dimethyl-2,6-octadienyl cyclopropylcarboxamide	1779	16.095	4267	N-[(2E)-3,7-Dimethyl-2,6-octadienyl]-cyclopropanecarboxamide
1755.	2,4-Hexadienyl acetate	1780	09.573	4132	Sorbyl acetate; hexa-2,4-dienyl acetate
1756.	2,4-Hexadienyl propionate	1781	-	4131	Sorbylpropionate; hexa-2,4-dienyl propionate
1757.	2,4-Hexadienyl isobutyrate	1782	-	4134	Sorbylisobutyrate; hexa-2,4-dienyl isobutyrate
1758.	2,4-Hexadienyl butyrate	1783	-	4133	Sorbylbutyrate; hexa-2,4-dienyl butyrate
1759.	2,4-Heptadien-1-ol	1784	02.153	4127	Hepta-2,4-dien-1-ol
1760.	Nona-2,4,6-trienal	1785	05.173	4187	-
1761.	2,4,7-decatrienal	1786	05.141	4089	Deca-2,4,7-trienal
1762.	(Z)-2-Pentenol	1793	02.050	4305	2-Penten-1-ol; (Z)-2-penten-1-ol
1763.	(E)-2-Decenol	1794	02.137	4304	(E)-2-decen-1-ol;2-decen-1-ol
1764.	Pent-2-enyl hexanoate	1795	09.678	4191	(Z)-2-Pentenylhexanoic acid ester; (Z)-pent-2-enyl hexanoate
1765.	2-Hexenyl octanoate	1796	09.841	4135	(E)-2-Hexenyl octanoic acid ester
1766.	trans-2-Hexenyl 2-methylbutyrate	1797	-	4274	(2E)-2-Hexenyl 2-methylbutanoic acid ester
1767.	Hept-trans-2-en-1-yl acetate	1798	09.385	4125	(2E)-2-Hepten-1-ol acetate
1768.	Hept-2-en-1-yl isovalerate	1799	09.303	4126	2-Heptenyl 3-methylbutanoic acid ester;(E,Z)-hept-2-en-1-yl isovalerate
1769.	trans-2-Hexenal glyceryl acetal	1800	-	4273	2-(1E)-1-Pentenyl-1,3-dioxolane-4-methanol;(+)2-(1E)-1-pentenyl-1,3-dioxolane-4-methanol;(-)2-(1E)-pentenyl-1,3-dioxolane-4-methanol;(+)2-(1E)-pentenyl-1,3-dioxan-5-ol;(-)2-(1E)-pentenyl-1,3-dioxan-5-ol
1770.	trans-2-Hexenal propylene glycol acetal	1801	-	4272	4-Methyl-2-(1E)-1-pentenyl-1,3-dioxolane
1771.	trans- and cis-1-	1802	03.022	4161	1-Methoxy-1-decene;

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	Methoxy-1-decene				1-decene, 1-methoxy-
1772.	Tetradec-2-enal	1803	05.179	4209	(2E)-Tetradec-2-enal;(E)-tetradec-2-enal
1773.	2-Pentenoic acid	1804	08.107	4193	(2E)-2-Pentenoic acid; (E)-2-pentenoic acid; (E)-pent-2-enoic acid
1774.	(E)-2-Octenoic acid	1805	08.114	3957	(2E)-2-Octenoic acid; 2-octenoic acid
1775.	Ethyl trans-2-butenolate	1806	09.248	3486	Ethyl crotonate; 2-butenic acid, ethyl ester
1776.	Hexyl 2-butenolate	1807	09.266	3354	Hexenyl crotonate; 2-butenic acid, hexyl ester; hexyl (2E)-butenolate
1777.	Ethyl trans-2-hexenoate	1808	09.850	3675	(2E)-2-Hexenoic acid ethyl ester
1778.	Methyl 2-hexenoate	1809	09.181	2709	Methyl-beta-propylacrylate; 2-hexenoic acid, methyl ester; methyl hex-2-enoate
1779.	Hexyl trans-2-hexenoate	1810	09.292	3692	2-Hexenoic acid hexyl ester; hexyl (E)-2-hexenoate; hexyl 2-hexenoate
1780.	Methyl trans-2-octenoate	1811	09.299	3712	(2E)-2-Octenoic acid methyl ester; methyl oct-2(trans)-enoate
1781.	Ethyl trans-2-octenoate	1812	09.285	3643	(2E)-2-Octenoic acid ethyl ester; ethyl oct-2(trans)-enoate
1782.	Methyl 2-nonenoate	1813	09.234	2725	Neofollione; (E,Z)-methyl 2-nonenoate; methyl non-2-enoate
1783.	Ethyl trans-2-decenoate	1814	09.283	3641	(2E)-2-Decenoic acid, ethyl ester; (E)-ethyl dec-2-enoate
1784.	Ethyl (E)-2-methyl-2-pentenoate	1815	-	4290	2-Methyl-(2E)-2-pentenoic acid ethyl ester
1785.	2-Methylbutyl 3-methyl-2-butenolate	1816	09.942	4306	2-Methylbutyl 3-methyl-2-senecioate
1786.	(+/-) trans- and cis-5-(2,2-dimethylcyclopropyl)-3-methyl-2-pentenal	1817	-	4105	(+/-) (E,Z)-5-(2,2-Dimethylcyclopropyl)-3-methyl-2-pentenal; acitral
1787.	4-Methylpent-2-enoic acid	1818	08.099	4180	4-Methyl-2-pentenoic acid; (E,Z)-4-methylpent-2-enoic acid

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1788.	(+/-) 4-Ethyl octanal	1819	05.223	4117	-
1789.	Geranyl 2-methylbutyrate	1820	09.382	4122	(2E)-3,7-Dimethyl-2,6-octadienyl 2-methylbutanoic acid
1790.	Geranyl valerate	1821	09.150	4123	(2E)-3,7-Dimethyl-2,6-octadienyl pentanoic acid; (E)-geranyl valerate
1791.	Geranyl tiglate	1822	09.383	4044	Tiglic acid, geraniol ester; 2-methyl- (2E)-2-pentenoic acid ethyl ester
1792.	Citronellyl 2-methylbut-2-enoate	1823	09.340	4295	2-Methyl-2-butenic acid (2E)-3,7-dimethyl-6-octenyl ester
1793.	Ethyl tiglate	1824	09.495	2460	(2E)-2-Methyl- 2-butenic acid ethyl ester; (E)-ethyl tiglate; ethyl 2-methylcrotonate
1794.	Geranic acid	1825	08.081	4121	3,7-Dimethyl-2,6-octadienoic acid; (E,Z)-geranic acid
1795.	Prenyl formate	1826	09.694	4205	3-Methyl-2-buten-1-ol formate
1796.	Prenyl acetate	1827	09.692	4202	3-Methyl-2-buten-1-ol acetate
1797.	Prenyl isobutyrate	1828	09.695	4206	2-Methylpropanoic acid 3-methyl-2-butenyl ester
1798.	Prenyl caproate	1829	-	4204	Hexanoic acid 3-methyl-2-butenyl ester
1799.	(+/-) Dihydrofarnesol	1830	-	4031	2,3-Dihydrofarnesol; 3,7,11-trimethyl-6,10-dodecadien-1-ol
1800.	3,7,11-Trimethyldodeca-2,6,10-trienyl acetate	1831	09.818	4213	Farnesyl acetate; 3,7,11-trimethyl-2,6,10-dodecatrien-1-ol acetate; (E,Z)-3,7,11-trimethyldodeca-2,6,10-trienyl acetate
1801.	Phytol	1832	02.204	4196	(2E,7R,11R)-3,7,11,15-Tetramethyl-2-hexadecen-1-ol;(E,Z)-phytol
1802.	Phytyl acetate	1833	09.691	4197	(2E,7R,11R)-3,7,11,15-Tetramethyl-2-hexadecen-1-ol acetate; (E,Z)-phytyl acetate
1803.	Methyl 2-methyl-2-propenoate	1834	09.647	4002	Methyl 2-methacrylate; 2-(methoxycarbonyl)-1-propene; methyl methacrylate
1804.	Isopropenyl acetate	1835	09.822	4152	1-Propen-2-ol acetate; butyric acid, 1-pentylallyl

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					ester
1805.	1-Octen-3-yl acetate	1836	09.281	3582	1-Octen-3-ol acetate; oct-1-en-3-yl acetate
1806.	1-Octen-3-yl butyrate	1837	09.282	3612	Butanoic acid, 1-ethenylhexyl ester; oct-1-en-3-yl-butyrate
1807.	6-Methyl-5-hepten-2-yl acetate	1838	09.938	4177	6-Methyl-5-hepten-2-ol acetate
1808.	3-(Hydroxymethyl)-2-octanone	1839	07.097	3292	3-(Hydroxymethyl)octan-2-one
1809.	(+/-)-[R-(E)]-5-Isopropyl-8-methylnona-6,8-dien-2-one	1840	07.239	4331	Virginione; [R-(E)]-8-methyl-5-(1-methylethyl)-6,8-nonadien-2-one
1810.	(+/-)-cis- and trans-4,8-Dimethyl-3,7-nonadien-2-ol	1841	02.252	4102	4,8-Dimethyl-3,7-nonadien-2-ol
1811.	(+/-)-1-Hepten-3-ol	1842	02.155	4129	Butyl vinyl carbinol; 1-hepten-3-ol
1812.	(E, Z)-4-Octen-3-one	1843	-	4328	4-Octen-3-one
1813.	(E)-2-Nonen-4-one	1844	-	4301	-
1814.	(E)-5-Nonen-2-one	1845	-	4326	-
1815.	(Z)-3-Hexenyl 2-oxopropionate	1846	09.565	3934	3-Oxo-propanoic acid (Z)-3-hexenyl ester; (3Z)-hexenyl 2-oxopropionate
1816.	(+/-)-cis- and trans-4,8-Dimethyl-3,7-nonadien-2-yl acetate	1847	09.936	4103	4,8-Dimethyl-3,7-nonadien-2-ol acetate; 4,8-dimethyl-3,7-nonadien-2-yl acetate
1817.	(E)-1,5-Octadien-3-one	1848	07.190	4405	Octa-1,5-dien-3-one
1818.	10-Undecen-2-one	1849	-	4406	-
1819.	2,4-Dimethyl-4-nonanol	1850	02.253	4407	-
1820.	8-Nonen-2-one	1851	-	4408	-
1821.	Menthyl valerate	1852	09.154	4156	3-Methylbutanoic acid (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester
1822.	2-(1-Menthoxy)ethanol	1853	02.247	4154	2-[[5-Methyl-2-(1-methylethyl)cyclohexyl]oxy]-ethanol; 2-(p-menthan-3-yloxy)ethanol; 1-menthoxyethanol
1823.	1-Menthyl acetoacetate	1854	-	4327	3-Oxobutanoic acid (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl

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					ester
1824.	l-Menthyl (R,S)-3-hydroxybutyrate	1855	-	4308	3-Hydroxybutanoic acid 5-methyl-2-(1-methylethyl)cyclohexyl ester
1825.	l-Piperitone	1856	07.255	4200	(6R)-3-Methyl-6-(1-methylethyl)-2-cyclohexen-1-one
1826.	2,6,6-Trimethylcyclohex-2-ene-1,4-dione	1857	07.109	3421	keto-Isophorone; 2,6,6-trimethyl-2-cyclohex-2-ene-1,4-dione
1827.	Menthyl pyrrolidone carboxylate	1858	-	4155	D- and L-Proline, 2-isopropyl-5-methyl cyclohexyl 5-oxo-2-pyrrolidine carboxylate
1828.	3,9-Dimethyl-6-(1-methylethyl)-1,4-dioxaspiro[4.5]decan-2-one	1859	06.136	4285	Freshone; 6-isopropyl-3,9-dimethyl-1,4-dioxyspiro[4.5]decan-2-one
1829.	8-p-Menthene-1,2-diol	1860	-	4409	Limonene glycol; 1-methyl-4-(1-methylethenyl)-1,2-cyclohexanediol
1830.	d-2,8-p-Menthadien-1-ol	1861	-	4411	1-Methyl-4-(1-methylethenyl)-2-cyclohexen-1-ol
1831.	Dehydronootkatone	1862	-	4091	[4R-(4Alpha,4a alpha,6beta)]-4,4a,5,6-tetrahydro-4,4a-dimethyl-6-(1-methylethenyl)-2(3H)-naphthalenone; 8,9-didehydronootkatone
1832.	Isobornyl isobutyrate	1863	09.584	4146	2-Methylpropanoic acid (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester
1833.	l-Bornyl acetate	1864	09.848	4080	(1S,2R,4S)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ol acetate; (-)-bornyl acetate
1834.	Thujyl alcohol	1865	02.207	4079	(-)-3-Neoisothujanol; (1S,3S,4R,5R)-4-methyl-1-(1-methylethyl)-bicyclo[3.1.0]hexan-3-ol
1835.	3-Pinanone	1868	07.171	4198	Isopinocampone; 2,6,6-trimethylbicyclo[3.1.1]heptan-3-one

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1836.	Isobornyl 2-methylbutyrate	1869	09.888	4147	2-Methylbutanoic acid 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester
1837.	Verbenone	1870	07.196	4216	Pin-2-en-4-one; 4,6,6-trimethylbicyclo[3.1.1]heptan-3-one
1838.	Methyl hexanoate	1871	09.069	2708	-
1839.	Hexyl heptanoate	1872	-	4337	1-Hexyl heptanoate
1840.	Hexyl nonanoate	1873	-	4339	-
1841.	Hexyl decanoate	1874	-	4342	Hexyl caprate
1842.	Heptyl heptanoate	1875	-	4341	1-Heptyl heptanoate
1843.	Dodecyl propionate	1876	-	4338	Dodecyl propionate
1844.	Dodecyl butyrate	1877	-	4340	Dodecyl butyrate
1845.	4-Hydroxy-3,5-dimethoxy benzaldehyde	1878	05.153	4049	Gallaldehyde 3,5-dimethyl ether
1846.	Vanillin 3-(1-menthoxy)propane-1,2-diol acetal	1879	02.248	3904	2-Methoxy-4-[4-[[[5-methyl-2-(1-methylethyl)cyclohexyl]oxy]methyl]-1,3-dioxolan-2-yl]-phenol
1847.	Sodium 4-methoxybenzoyloxyacetate (sodium salt)	1880	-	4016b	Benzoic acid, 4-methoxy-, carboxymethyl ester, sodium salt
1848.	Divanillin	1881	05.221	4107	6,6'-Dihydroxy-5,5'-dimethoxy-(1,1'-biphenyl)-3,3'-dicarboxaldehyde; Dehydrodivanillin
1849.	Vanillin propylene glycol acetal	1882	06.104	3905	2-Methoxy-4-(4-methyl-1,3-dioxalan-2-yl)-phenol
1850.	4-Methoxybenzoyloxyacetic acid (free acid)	1883	-	4016	Glycolic acid, p-anisate; benzoic acid, 4-methoxy-, carboxymethyl ester
1851.	Methyl isothiocyanate	1884	-	4426	Isothiocyanatomethane
1852.	Ethyl isothiocyanate	1885	-	4420	Isothiocyanatoethane
1853.	Isobutyl isothiocyanate	1886	-	4424	1-Isothiocyanato-2-methylpropane
1854.	Isoamyl isothiocyanate	1887	-	4423	1-Isothiocyanato-3-methylbutane
1855.	Isopropyl isothiocyanate	1888	-	4425	2-Isothiocyanatopropane
1856.	3-Butenyl isothiocyanate	1889	12.283	4418	4-Isothiocyanato-1-butene
1857.	2-Butylisothiocyanate	1890	-	4419	2-Isothiocyanatobutane
1858.	Amyl isothiocyanate	1891	-	4417	1-Isothiocyanatopentane

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1859.	4-(Methylthio)butyl isothiocyanate	1892	-	4414	1-Isothiocyanato-4-(methylthio)butane
1860.	4-Pentenyl isothiocyanate	1893	-	4427	5-Isothiocyanato-1-pentene
1861.	5-Hexenyl isothiocyanate	1894	-	4421	6-Isothiocyanato-1-hexene
1862.	Hexyl isothiocyanate	1895	-	4422	1-Isothiocyanatohexane
1863.	5-(Methylthio)pentyl isothiocyanate	1896	-	4416	1-Isothiocyanato-5-(methylthio)-pentane
1864.	6-(Methylthio)hexyl isothiocyanate	1897	-	4415	1-Isothiocyanato-6-(methylthio)hexane
1865.	N-p-Benzeneacetonitrile-menthanecarboxamide	2009	16.117	4496	N-(4-(cyanomethyl)phenyl)-2-isopropyl-5-methylcyclohexanecarboxamide
1866.	Dec-8-eno-1,5-lactone	-	10.040	-	2H-Pyran-2-one, tetrahydro-6-(3-pentenyl)-; Tetrahydro-6-(3-pentenyl)-2H-pyran-2-one
1867.	Limonene	-	01.001	2633	1-Cyclohexene, 1-methyl-4-(1-methylethenyl)-; 1,8(9)-p-Menthadiene; p-Mentha-1,8-diene; 1-Methyl-4-isopropenyl-1-cyclohexene; Dipentene; Carvene; Cinene; Citrene
1868.	(4E,6E)-Allo-ocimene;	-	01.035	-	-
1869.	2-Methylbutan-2-ol	-	02.041	-	2-Butanol, 2-methyl-(9CI); 1,1-Dimethyl-1-propanol
1870.	2-Methylpropan-2-ol	-	02.052	-	2-Propanol, 2-methyl-(9CI); 1,1-dimethylethanol
1871.	Cedrenol	-	02.119	-	2,6,6-Trimethyl-tricyclo[5.3.1.0(1.5)]undec-8-en-8-yl methanol
1872.	2-Butanol****	-	02.121	-	2-Butanol; sec-butyl alcohol; Butan-2-ol
1873.	2-Methyl 3-Buten-2-ol	-	02.123	-	3-Buten-2-ol, 2-methyl-(8CI, 9CI); 1,1-dimethyl-2-propenol; 2-methylbut-3-en-2-ol
1874.	Hex-3(trans)-en-1-ol	-	-	-	Leaf alcohol; beta-gamma-hexenol
1875.	Isophytol	-	02.168	-	1-Hexadecen-3-ol,

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					3,7,11,15-tetramethyl-; 3,7,11,15-tetramethylhexadec-1-en-3-ol
1876.	Non-1-en-3-ol	-	02.187	-	1-Nonen-3-ol; 3-hydroxy-1-nonene
1877.	Sclareol		02.206		1-Naphthalenepropanol; lab d-14-ene-8,13-diol; (-)-sclareol
1878.	3,5-dimethylphenol	-	04.020	-	-
1879.	2-Ethyl phenol	-	04.070	-	-
1880.	o-Anisaldehyde	2062	05.129	4077	Benzaldehyde, 2-methoxy-; 2-methoxybenzaldehyde
1881.	2,6,10-Trimethyl-2,6,9,11-dodecatetraenal	-	-	-	alpha-Sinensal
1882.	1,5 Pentanedial	-	-	-	Glutardialdehyde
1883.	Hex-3(trans)-enal	-	05.151	-	trans 3-Hexenal
1884.	Citral propylene glycol acetal	-	06.035	-	2-(2,6-Dimethylhepta-1,5-dienyl)-4-methyl-1,3-dioxalane
1885.	1,1-Diethoxybutane or Butanal Diethylacetal	-	06.061	-	Butanal diethyl acetal; butane, 1,1-diethoxy-
1886.	Decan-2-one	-	07.150	4271	Methyl octyl ketone; octyl methyl ketone; methyl n-octyl ketone; 2-decanone
1887.	1-Hydroxypropan-2-one or 2-propanone, 1-hydroxy- or 2-oxopropanol	-	07.169	-	-
1888.	5-Methylheptan-3-one	-	07.182	-	-
1889.	trans-3-Methyl-2-(2-pentenyl)-2-cyclopenten-1-one	-	07.219	-	trans-Jasmone
1890.	Succinic acid	-	08.024	-	Butanedioic acid; butan-1,4-dioic acid; 1,2-ethanedicarboxylic acid
1891.	Hept-2-enoic acid	-	08.083	-	trans-2-Heptenoic Acid
1892.	Ethyl trans-2-hexenoate	1808	09.850	3675	(2E)-2-Hexenoic acid ethyl ester

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1893.	Hesperetin	2024	16.097	4313	5,7-Dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-chroman-4-one; (+/-)-5,7,3'-trihydroxy-4'-methoxyflavanone; (+/-)-hesperetin; 4H-1-benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-; 5,7-dihydroxy-2-(3-hydroxy-4-methoxyphenyl)chroman-4-on
1894.	3-[(4-amino-2,2-dioxido-1H-2,1,3-benzothiadiazin-5-yl)oxy]-2,2-dimethyl-N-propylpropanamide	2082	16.126	4701	3-(4-Amino-1H-benzo[c][1,2,6]thiadiazin-5-yloxy)-2,2-dimethyl-N-propylpropanamide-2,2-dioxide; 3-[(4-amino-2,2-dioxido-1H-2,1,3-benzothiadiazin-5-yl)oxy]-2,2-dimethyl-N-propylpropanamide; (1Z)-N-[(4-Imino-2,2-dioxido-3,4-dihydro-1H-2,1,3-benzothiadiazin-5-yl)oxy]-2,2-dimethylpropyl}propanimidic acid
1895.	3-(1-((3,5-dimethylisoxazol-4-yl)methyl)-1h-pyrazol-4-yl)-1-(3-hydroxybenzyl)imidazolidine-2,4-dione	2161	-	4725	-
1896.	4-Amino-5-(3-(isopropylamino)-2,2-dimethyl-3-oxopropoxy)-2-methylquinoline-3-carboxylic acid	2204	-	4774	3-Quinolinecarboxylic acid, 4-amino-5-[2,2-dimethyl-3-[(1-methylethyl)amino]-3-oxopropoxy]-2-methyl-
1897.	3-Hydroxy-3-methyl-2,4-nonanedione	-	-	4687	Lactadione
1898.	Ferrous Lactate	-	16.096	4699	Iron (II) lactate, iron (II) 2-hydroxypropanoate
1899.	Ethyl linoleate	-	-	-	Ethyl linoleate
1900.	Butyl octanoate	-	09.209	-	Butyl caprylate
1901.	Methyl decanoate	-	09.251	-	-
1902.	Benzyl octanoate	-	09.318	-	-
1903.	Ethylene glycol butyl ether acetate	-	09.320	-	-

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1904.	Ethyl butyryl lactate	-	09.502	-	Butanoic acid, 2-ethoxy-1-methyl-2-oxoethyl ester; 2-ethoxy-1-methyl-2-oxoethyl butyrate
1905.	Hexylsalicylate	-	09.581	-	Hexyl 2-hydroxybenzoate; n-hexyl o-hydroxybenzoate
1906.	Isopentyl decanoate	-	09.598	-	3-Methylbutyl decanoate; 3-methylbutyl decanoate
1907.	Isoamyl heptate	-	-	-	3-Methylbutyl heptanoate
1908.	Isopentyl lactate	-	09.601	-	3-Methylbutyl 2-hydroxypropanoate
1909.	Isopropyl palmitate	-	09.606	-	Hexadecanoic acid, 1-methylethyl ester; palmitic acid, isopropyl ester
1910.	Methyl geranate	-	09.643	-	Methyl 3,7-dimethyl-2(trans),6-octadienoate; methyl 3,7-dimethyl-2,6-octadienoate; 2,6-octadienoic acid, 3,7-dimethyl-, methyl ester
1911.	cis-6-Nonenyl acetate	-	09.673	-	(Z)-Non-6-enyl acetate
1912.	Amyl benzoate	-	-	-	Amyl benzoate; isoamyl benzoate; 3-methyl-1-butyl benzoate
1913.	Methyl 2-octenoate	-	09.828	-	-
1914.	Ethyl 3,7-dimethyl-2,6-octadienoate	-	09.831	-	2,6-Octadienoic acid, 3,7-dimethyl-, ethyl ester; 3,7-dimethyl-2,6-octadienoic acid ethyl ester
1915.	(3E)-Hexenyl acetate	-	09.928	4413	(E)-3-Hexen-1-ol acetate; (E)-3-hexen-1-yl acetate; acetic acid trans-3-hexenyl ester
1916.	Tridecano-1,5-lactone or Delta Tridecalactone	-	10.058	-	2H-Pyran-2-one, tetrahydro-6-octyl-; delta-tridecalactone
1917.	Isoambrettolide	1991	10.063	4145	9-Hexadecenoic acid, 16-hydroxy-, omicron-lactone; delta-9-isoambrettolic acid, lactone; oxacycloheptadec-10-en-2-one; hexadec-9-en-1,16 lactone
1918.	Dipropyl sulphide	-	12.015	-	-

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1919.	S-2-Butyl 3-methylbutanethioate	-	12.106	-	sec-Butyl 3-methylbutanethioate;
1920.	Mercaptoacetaldehyde	-	12.205	-	Acetaldehyde, mercapto-; 2-mercaptoethanal
1921.	2,5-Dimethyl-3(2H)-furanone	-	13.119		3(2H)-Furanone, 2,5-dimethyl-
1922.	2-Furoic acid	-	13.136	-	2-Furancarboxylic acid; 2-carboxyfuran
1923.	1-Methylpyrrole	-	-	-	N-Methylpyrrole
1924.	2-Hydroxypyridine	-	14.118	-	2-Pyridone
1925.	2-Methyl-3-(methylthio)pyrazine	-	14.128	3208	2-Methyl-3-(methylthio)pyrazine
1926.	Methylpyrrole-2-carboxaldehyde/n	-	14.163	4332	1-Methyl-1H-pyrrole-2-carboxaldehyde; 1-methyl-2-formylpyrrole; 2-formyl-1-methylpyrrole; 2-formyl-N-methylpyrrole; N-methyl-2-formylpyrrole; N-methyl-2-pyrrolaldehyde; N-methyl-2-pyrrolylcarboxaldehyde; N-methylpyrrole-2-carbaldehyde; N-methylpyrrole-2-carboxaldehyde; 1-methylpyrrole-2-carboxaldehyde
1927.	3,5-Diethyl-1,2,4-trithiolane	-	15.049	4030	1,2,4-Trithiolane, 3,5-diethyl-, (+/-)
1928.	2,4-Dimethylthiazole	-	15.062	-	Thiazole, 2,4-dimethyl-
1929.	2,5-Dimethyl thiophene	-	15.064	-	-
1930.	2-Pentylthiophene	-	15.096	4387	sec-Pentylthiophene; 2-pentylthiophene; 2-N-pentylthiophene
1931.	2,4,6-Trimethyl-1,3,5-trithiane	-	15.110	-	1,3,5-Trithiane, 2,4,6-trimethyl-

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1932.	Ammonium hydrogen sulphide	-	16.059	2053	-
1933.	l-Cystine	-	17.006	-	Cystine; 3,3'-dithiobis[2-aminopropanoic acid]
1934.	Serine	-	17.020	-	DL-Serine
1935.	Threonine	-	17.021	-	DL-Threonine
1936.	Diammonium sulfide	-	16.002	2053	Ammonium monosulfide
1937.	Ethyl nitrite	-	16.017	2446	-
1938.	Glucose pentaacetate	-	09.258	2524	1,2,3,4,6-Pentaacetyl-alpha-d-glucose; 1,2,3,4,6-pentaacetyl-beta-d-glucose; alpha-pentaacetyl-dextro-Glucose
1939.	Glycyrrhizic acid, ammoniated	-	16.060	2528	-
1940.	d-limonene	1326	01.045	2633	p-Mentha-1,8-diene; 1,8(9)-p-menthadiene;(+)-p-mentha-1,8-diene;hesperidine;4-isopropenyl-1-methyl-1-cyclohexene
1941.	4-(3,4-Methylenedioxyphenyl)-2-butanon	2048	07.031	2701	2-Butanone, 4-(1,3-benzodioxol-5-yl); heliotropyl acetone; piperonil acetone; 2-butanone, 4-(1,3-benzodioxol-5-yl);4-(benzo[d][1,3]dioxol-5-yl)butan-2-one
1942.	Phenethyl benzoate	-	09.774	2860	2-Phenylethyl benzoate; benzylcarbinyl benzoate
1943.	Propyl 4-hydroxybenzoate	-	09.915	2951	Benzoic acid, 4-hydroxy-,propyl ester; benzoic acid, p-hydroxy-,propyl ester; CoSept P; 4-hydroxybenzoic acid, propyl ester; jeen propyl paraben NF; lexgard P; nipasol M; parahydroxybenzoate ester; paridol P; preservall p; propyl aseptoform; propyl chemosept; propyl-4-hydroxybenzoate; propyl paraben; propilparaben

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					NF; propilparaben NF-PC; propyl parahydroxybenzoate; propylparasept; Propyl parasept; solbrol P; trisept P; unisept P; propyl p-hydroxybenzoate
1944.	Pyridine	-	14.008	2966	Azabenzene
1945.	Pyroligneous acid	-	-	2967	-
1946.	Quinine hydrochloride	-	14.011	2976	-
1947.	Quinine sulphate	-	14.152	2977	-
1948.	Rum ether	-	-	2996	-
1949.	Sucrose octaacetate	-	16.081	3038	Octaacetyl sucrose
1950.	Tannic acid	-	16.080	3042	-
1951.	l-Arabinose	-	-	3255	-
1952.	Succinic acid, disodium salt	-	08.113	3277	-
1953.	Isopropenylpyrazine	2125	14.052	3296	Caramel pyrazine; 2-(1-methyl vinyl) pyrazine; 1-(methyl ethenyl)pyrazine; 2-(prop-1-en-2-yl)pyrazine
1954.	N-(4-Hydroxy-3-methoxybenzyl)-8-methyl-6-nonenamide	-	-	3404	Capsaicine; N-(4-hydroxy-3-methoxybenzyl)-8-methyl-6-nonenamide; isodecenoic acid vanillylamide; trans-8-methyl-N-vanillyl-6-nonenamide; 6-nonenamide, N
1955.	Methyl dihydrojasmonate	-	09.520	3408	Cyclopentaneacetic acid, 3-oxo-2-pentyl-, methyl ester
1956.	Quinoline	-	-	3470	1-Azanephtalene
1957.	Theobromine	-	16.032	3591	3,7-Dihydro-3,7-dimethyl-1H-purine-2,6-dione; 3,7-dimethylxanthine; 1H-purine-2,6-dione, 3,7-dihydro-3,7-dimethyl
1958.	d-Xylose	-	-	3606	2,3,4,5 - Tetrahydroxypental
1959.	l-Rhamnose	-	-	3730	6-Deoxy-l-mannose; Isodulcit; l-mannomethylose; l-mannose, 6-deoxy-
1960.	Hydrogen sulfide	-	16.007	3779	-

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1961.	Neohesperidine dihydrochalcone	-	16.061	3811	-
1962.	Sodium diacetate	-	16.073	3900	Sodium ethanoate
1963.	2-Aminoacetophenone	2043	11.008	3906	2-Acetyl aniline; 2-acetylphenylamine; 1-(2-aminophenyl)ethanone
1964.	Mixture of 3-Hydroxy-5-methyl-2-hexanone and 2-Hydroxy-5-methyl-3-hexanone	2034	07.260	3989	Mixture of 3-hydroxy-5-methylhexan-2-one and 2-hydroxy-5-methylhexan-3-one
1965.	(+/-)-Octan-3-yl formate	2070	09.926	4009	Oct-3-yl formate; 1-ethylhex-1-yl formate; 3-octanol, formate
1966.	Paraldehde	-	05.053	4010	s-Trioxane; 2,4,6-trimethyl-1,3,5-trioxane; acetaldehyde, trimer; elaldehyde; paraacetaldehyde; paral; 2,4,6-trimethyl-1,3,5-trioxacyclohexane
1967.	Benzyl hexanoate	2061	09.316	4026	Hexanoic acid, phenylmethyl ester; hexanoic acid, benzyl ester; benzyl caproate
1968.	beta-Cyclodextrin	-	-	4028	beta-CD; cycloheptapentylose; cycloamylose; cyclodextrin; cycloheptagluconan
1969.	4-Hydroxy-2,3-dimethyl-2,4-nonadienoic acid gamma lactone	2002	10.042	4050	5-Pentylidene-3,4-dimethyl-2,5-dihydrofuran-2-one; bovolide; 3,4-dimethyl-5-pentylidene-furan-2(5H)-one
1970.	3-Hydroxy-4-phenylbutan-2-one	2041	07.242	4052	2-Butanone, 3-hydroxy-4-phenyl-
1971.	3-Methyl-2,4-nonanedione	2032	07.184	4057	2,4-Nonanedione, 3-methyl-; 3-methylnonane-2,4-dione
1972.	2,3-Octanedione	2036	07.248	4060	Octane-2,3-dione
1973.	4-Propenylphenol	2012	-	4062	4-(Prop-1-en-1-yl)phenol
1974.	3-Methyl hexanal	2173	05.219	4261	-
1975.	Methyl hexyl ether	2138	03.016	4291	Methyl n-hexyl ether; 1-methoxyhexane
1976.	(+/-) -cis- and trans-1,2-dihydroperillaldehyde	1902	-	4312	4-Isopropenyl-cyclohexanecarboxaldehyde; mixture of cis-4-

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					(prop-1-en-2-yl)cyclohexancarbaldehyde and trans-4-(prop-1-en-2-yl)cyclohexancarbaldehyde
1977.	5-Pentyl-3H-furan-2-one	1989	10.170	4323	4-Hydroxy-3-nonenoic acid lactone;5-amyl-3H-furan-2-one;5-(1-pentyl)-3H-furan-2-one;2(3H)-furanone, 5-pentyl-;5-pentylfuran-2(3H)-one
1978.	d-Limonen-10-ol	1903	-	4504	(+)-(R)-p-Mentha-1,8(10)-dien-9-ol;(R)-2-(4-methylcyclohex-3-en-1-yl)prop-2-en-1-ol
1979.	p-Menthan-7-ol	1904	-	4507	Muguet shiseol;mayol (monoterpene);cyclohexanemethanol, 4-(1-methylethyl)-; (4-isopropylcyclohexyl)methanol
1980.	p-Menth-1-en-9-ol	1905	-	4508	3-Cyclohexene-1-ethanol, beta,4-dimethyl-;2-(4-methyl-1-cyclohex-3-enyl)propan-1-ol
1981.	Methyl octyl sulfide	1909	-	4573	Methyl(octyl)sulfane; 1-methylthiooctane; 2-thiadecane; 1-methylsulfanyloctane
1982.	Methyl 1-propenyl sulfide	1910	12.163	4574	1-Propene, 1-(methylthio)-;mixture of (Z)-methyl(prop-1-en-1-yl)sulfane and (E)-methyl(prop-1-en-1-yl)sulfane
1983.	Di-(1-propenyl)-sulfide (mixture of isomers)	1911	12.298	4386	cis,trans-Di-1-Propenyl sulfide;trans,trans-di-1-propenyl sulfide;cis, cis-di-1-propenyl sulfide; mixture of (E)-1-[(Z)-prop-1-enyl]sulfanylprop-1-ene, (Z)-1-[(Z)-prop-1-enyl]sulfanylprop-1-ene and (E)-1-[(E)-prop-1-enyl]sulfanylprop-1-ene

\*) Joint FAO/WHO Expert Committee On Food Additives

\*\*) EU Flavis database

\*\*\*)The Flavor and Extract Manufacturers Association

No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
1984.	Ethyl 2-hydroxyethyl sulfide	1912	-	4590	Ethyl 2-hydroxyethyl thioether;2-ethylmercaptoethanol;2-(ethylthio)-1-ethanol;beta-ethylthioethanol;2-hydroxyethyl ethyl sulfide; 2-ethylsulfanylethanol
1985.	Methional diethyl acetal	1940	-	-	Methional diethyl acetal; 1,1-diethoxy-3-methylsulfanylpropane
1986.	2-Oxothiolane	1923	-	4570	Thiolan-2-one;thiacyclopentanone-2;thiobutyrolactone;tetrahydro-2-thiophenone;4-butyrothiolactone;2-oxotetrahydrothiophene;gamma-thiobutyrolactone; dihydrothiophen-2(3H)-one
1987.	Dodecanethiol	1924	-	4581	1-Mercaptododecane;lauryl mercaptan;1-dodecylthiol;1-dodecyl mercaptan; dodecane-1-thiol
1988.	2-Hydroxyethanethiol	1925	-	4582	2-Hydroxyethyl mercaptan;beta-mercaptoethanol;1-hydroxy-2-mercaptoethane;1-mercapto-2-hydroxyethane;ethanol, 2-mercapto-;2-mercaptoethanol
1989.	4-Mercapto-4-methyl-2-hexanone	1926	-	4583	4-Methyl-4-sulfanylhexan-2-one;4-mercapto-4-methylhexan-2-one
1990.	Diisoamyl disulfide	1930	-	4575	Diisopentyl disulfide;2,9-dimethyl-5,6-dithiadecane;isoamyl disulfide;disulfide, bis(3-methylbutyl); 1,2-diisopentyl disulfane
1991.	Butyl propyl disulfide	1932	-	4577	4,5-Dithianonane; 1-propyl disulfanylbutane; 1-butyl-2-propyl disulfane

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
1992.	di-sec-Butyl disulfide	1933	-	4578	Bis(2-butyl) disulfide;3,6-dimethyl-4,5-dithiooctane;1-methylpropyl disulfide;disulfide, bis(1-methylpropyl); 1,2-di-sec-butyl disulfane
1993.	Methyl isobutanethioate	1937	-	4586	Propanethioic acid, 2-methyl-, S-methyl ester; S-methyl 2-methylpropanethioate
1994.	3-(Methylthio)propylamine	2004	-	4649	s-Methylhomocysteamine; 1-amino-3-(methylthio)propane;3-(methylmercapto)propylamine;3-aminopropyl methyl sulfide;3-(methylsulfanyl)propylamine; 3-(methylthio)propan-1-amine
1995.	2,4,6-Trimethylphenol	2013	-	4329	2-Hydroxymesitylene;hydroxymesitylene; 1-hydroxy-2,4,6-trimethylbenzene;mesitol; mesityl alcohol; 2,4,6-trimethylphenol
1996.	Magnolol	2023	-	4559	2,2'-Bichavicol;2,2'-biphenyldiol, 5,5'-diallyl-;[1,1'-biphenyl]-2,2'-diol, 5,5'-di-2-propenyl-;5,5'-diallyl-[1,1'-biphenyl]-2,2'-diol
1997.	Caryophyllene alcohol	2027	-	4410	4,4,8-Trimethyltricyclo[6.3.1.02,5]dodecan-1-ol
1998.	Cubebol	2028	-	4497	Cubeb camphor;(3S,3aR,3bR,4S,7R,7aR)-4-isopropyl-3,7-dimethyloctahydro-1H-cyclopenta[1,3]cyclopropa[1,2]benzen-3-ol
1999.	(-)-Sclareol	2029	02.206	4502	Labd-14-ene-8,13-diol, (13R)-;(1R,2R,8aS)-1-((R)-3-hydroxy-3-methylpent-4-en-1-yl)-2,5,5,8a-

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
					tetramethyldecahydronaphthalen-2-ol
2000.	(+)-Cedrol	2030	02.120	4503	8-beta, H-Cedran-8-ol; (3R,3aS,6R,7R,8aS)-3,6,8,8-tetramethyloctahydro-1H-3a,7-methanoazulen-6-ol
2001.	alpha-Bisabolol	2031	02.129	4666	Kamillosan levomenol; 6-methyl-2-(4-methylcyclohex-3-en-1-yl)hept-5-en-2-ol; (l)-alpha-bisabolol
2002.	4-Hydroxyacetophenone	2040	07.243	4330	1-(4-Hydroxyphenyl)ethanone
2003.	2-Methylacetophenone	2044	07.259	4316	Ethanone, 1-(2-methylphenyl)-; 2-acetyltoluene; 2-methylphenyl methyl ketone; methyl 2-methylphenyl ketone; o-acetyltoluene; methyl o-tolyl ketone; 1-(o-tolyl)ethanone
2004.	2,3,3-Trimethylindan-1-one	2047	-	4556	1-Indanone, 2,3,3-trimethyl-; saffron indenone; 2,3,3-trimethyl-2,3-dihydro-1H-inden-1-one
2005.	Cyclohexanone diethyl ketal	2051	-	4516	Cyclohexanone diethyl acetal; rhumacetal; 1,1-diethoxycyclohexane
2006.	2-(trans-2-Pentenyl)cyclopentanone	2049	-	4284	Jasminone; (E)-2-(pent-2-en-1-yl)cyclopentanone
2007.	2-Cyclopentylcyclopentanone	2050	-	4514	Cyclopentanone, 2-cyclopentyl-; [bicyclopentyl]-2-one; [1,1'-bicyclopentyl]-2-one
2008.	4-Methylbenzyl alcohol	2065	-	4624	4-(Hydroxymethyl)toluene; 4-methylbenzenemethanol; (4-methylphenyl)methanol; p-tolualcohol; p-tolylcarbinol
2009.	(R)-(-)-1-Octen-3-ol	2071	-	4492	(R)-Oct-1-en-3-ol
2010.	2-Decanone	2074	07.150	4271	Methyl octyl ketone; decan-2-one
2011.	4-Amino-5,6-	2117	16.120	4669	4-Amino-5,6-

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No.	Nama senyawa	Nomor JECFA*	Nomor Flavis (No. Fl)**	Nomor FEMA***	Sinonim
	dimethylthieno[2,3-d]pyrimidin-2(1H)-one hydrochloride				dimethylthieno[2,3-d]pyrimidin-2(1H)-one hydrochloride
2012.	4-Amino-5,6-dimethylthieno[2,3-d]pyrimidin-2(1H)-one	-	16.116	-	4-Amino-5,6-dimethylthieno[2,3-d]pyrimidine-2(1H)-one hydrochloride
2013.	3-[(4-Amino-2,2-dioxido-1H-2,1,3-benzothiadiazin-5-yl)oxy]-2,2-dimethyl-N-propylpropanamide	2082	16.126	4701	3-(4-Amino-1H-benzo[c][1,2,6]thiadiazin-5-yloxy-2,2-dimethyl-N-propylpropanamide-2,2-dioxide 3-[(4-amino-2,2-dioxido-1H-2,1,3-benzothiadiazin-5-yl)oxy]-2,2-dimethyl-N-propylpropanamide; (1Z)-N-{3-[(4-imino-2,2-dioxido-3,4-dihydro-1H-2,1,3-benzothiadiazin-5-yl)oxy]-2,2-dimethylpropyl}propanimidic acid
2014.	Cyclopropanecarboxylic acid (2-isopropyl-5-methyl-cyclohexyl)-amide	2006	-	4558	N-(2-isopropyl-5-methylcyclohexyl)cyclopropanecarboxamide
2015.	Mixture of 6-(5-Decenoyloxy)decanoic acid and 6-(6-Decenoyloxy)decanoic acid	1977		4442	Mixture of 6-(dec-5-enoyloxy)decanoic acid and 6-(dec-6-enoyloxy)decanoic acid
2016.	2-Nonenoic acid gamma-lactone	2001	10.054	4188	5-Pentyl-2-furanone;2-Nonenoic acid, 4-hydroxy-, gammalactone;2(5H)-Furanone, 5-pentyl-; 5-Pentyl-2-furanone;2-Nonenoic acid, 4-hydroxy-, gammalactone;2(5H)-Furanone, 5-pentyl-

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
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LAMPIRAN II  
 PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
 REPUBLIK INDONESIA  
 NOMOR 22 TAHUN 2016  
 TENTANG  
 PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
 PERISA DALAM PANGAN

BATASAN SENYAWA BIOAKTIF DALAM PERISA DAN PRODUK PANGAN

1. Aloin (*aloin*), Nomor CAS. 5133-19-7
  - i. Aloin tidak boleh ditambahkan langsung ke dalam produk pangan.
  - ii. Aloin boleh terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
  - iii. Berikut Batas maksimum aloin sebagai akibat dari penambahan perisa alami dalam produk pangan:

No	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	0,1
2	Minuman	0,1 dihitung terhadap produk siap konsumsi
3	Minuman beralkohol	50

2. Asam agarat (*agaric acid*), Nomor CAS. 666-99-9
  - i. Asam agarat tidak boleh ditambahkan langsung ke dalam produk pangan.
  - ii. Asam agarat hanya boleh terdapat dalam produk pangan secara alami atau sebagai akibat dari penambahan perisa alami.
  - iii. Batas maksimum asam agarat dalam produk pangan:

No	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	20 Sebagai akibat dari penambahan perisa alami
2	Minuman	20 (dihitung terhadap produk siap konsumsi) sebagai akibat dari penambahan perisa alami
3	Minuman beralkohol	100 Sebagai akibat dari penambahan perisa alami
4	Jamur dan produk olahannya	100 Sebagai akibat dari penambahan perisa dan atau secara alami



3. Asam sianida (*hydrocyanic acid*), Nomor CAS. 74-90-8

- i. Asam sianida tidak diizinkan ditambahkan langsung ke dalam produk pangan.
- ii. Asam sianida hanya diizinkan dalam produk pangan secara alami atau sebagai akibat dari penambahan perisa alami
- iii. Batas maksimum asam sianida dalam produk pangan:

No.	Produk Pangan	Batas Maksimum sebagai Total Sianida (mg/kg)
1	Makanan	1 akibat dari pengguna perisa
2	Minuman	1 akibat dari pengguna perisa
3	Pengecualian pada:	
	Marzipan	25 akibat penambahan perisa dan atau terdapat secara alami
	Almond	10 akibat penambahan perisa dan atau terdapat secara alam
	Minuman beralkohol	35 akibat dari penambahan perisa dan atau terdapat secara alami
	Produk yang mengandung kacang-kacangan dan umbi-umbian	50 mg/kg akibat dari penambahan perisa dan atau terdapat secara alami

4. Beta asaron (*β-asarone*), Nomor CAS. 5273-86-9

- i. Beta asaron tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Beta asaron hanya boleh terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum beta asaron dalam produk pangan secara alami atau sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	0,1 akibat dari penggunaan perisa alami
2	Minuman	0,1 (dihitung terhadap produk siap konsumsi) akibat dari penggunaan perisa alami
3	Pengecualian pada minuman beralkohol dan bumbu	1 akibat penambahan perisa dan atau terdapat secara alam

5. Berberin (*berberine*), Nomor CAS. 50-32-8

- i. Berberin tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Berberin hanya boleh terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum berberin dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Minuman beralkohol	10
2	Makanan	0,1
3	Minuman	0,1 dihitung terhadap produk siap konsumsi

6. Estragol (*estragole*), Nomor CAS. 140-67-0

- i. Estragol tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Estragol hanya diizinkan terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum estragol dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Susu dan hasil olahannya	50
2	Makanan	50
3	Minuman	10 dihitung terhadap produk siap konsumsi
4	Minuman beralkohol	50

7. Hiperisin (*hypericine*), Nomor CAS. 548-04-9

- i. Hiperisin tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Hiperisin hanya diizinkan terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum hiperisin dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	0,1
2	Minuman	0,1 dihitung terhadap produk siap konsumsi
3	Kemban gula, pastilles	1
4	Minuman beralkohol	1

8. Kafein (*caffein*), Nomor CAS. 58-08-02

Batas maksimum Kafein sebagai akibat dari penambahan perisa dan/atau penambahan langsung sebagai berikut:

No	Produk Pangan	Batas Maksimum
1	Makanan	50 mg/sajian atau 150 mg/hari
2	Minuman	50 mg/sajian atau 150 mg/hari

9. Kuasin (*quassine*), Nomor CAS. 76-78-8

- i. Kuasin tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Kuasin hanya diizinkan terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum kuasin dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	5
2	Minuman	5 dihitung terhadap produk siap konsumsi
3	Kembang gula, <i>pastilles</i>	10
4	Minuman beralkohol	50

10. Kumarin (*coumarin*), Nomor CAS. 91-64-5 (seperti 9)

- i. Kumarin tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Kumarin hanya diizinkan terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum kumarin dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	2
2	Minuman	2 dihitung terhadap produk siap konsumsi
3	Kembang Gula	10
4	Bumbu	10
5	Minuman beralkohol	10

11. Kinina (*quinine*), Nomor CAS. 130-95-0

- i. Kinina tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Kinina hanya diizinkan terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum kinina dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	1
2	Minuman	40 dihitung terhadap produk siap konsumsi
3	Minuman beralkohol	300

12. Safrol (*safrole*), Nomor CAS. 94-59-7

- i. Safrol tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Safrol boleh terdapat dalam produk pangan secara alami atau sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum safrol dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	0,1 (akibat penambahan perisa dan atau terdapat secara alami)
2	Minuman	0,1 dihitung terhadap produk siap konsumsi (akibat penambahan perisa dan atau terdapat secara alami)

13. Alfa santonin (*α-santonine*), Nomor CAS. 481-06-1

- i. Alfa santonin tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Alfa santonin boleh terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum Alfa santonin dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	0,1
2	Minuman	0,1 dihitung terhadap produk siap konsumsi
3	Minuman beralkohol	1

14. Spartein (*sparteine*), Nomor CAS. 6917-37-9

- i. Spartein tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Spartein boleh terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami
- iii. Batas maksimum spartein dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Minuman beralkohol	5
2	Makanan	0,1
3	Minuman	0,1 dihitung terhadap produk siap konsumsi

15. Tujon (*thujone*), Nomor CAS. 546-80-5

- i. Tujon tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Tujon boleh terdapat dalam produk pangan secara alami atau sebagai akibat dari penambahan perisa alami
- iii. Batas maksimum tujon dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk pangan	Batas Maksimum (mg/kg)
1	Makanan	0,1
2	Minuman	0,1 dihitung terhadap produk siap konsumsi
3	Pengecualian pada:	
	Minuman beralkohol <25% (vermouths)	2
	Minuman beralkohol >25% (liquers bitters)	10
	makanan mengandung sage atau berperisa sage atau campuran keduanya	10
	Cuka yang ditambah rempah	5

16. Teukrin A (*Teuclin A*), Nomor CAS. 12798-51-5

- i. Teukrin A tidak boleh ditambahkan langsung ke dalam produk pangan.
- ii. Teukrin A boleh terdapat dalam produk pangan sebagai akibat dari penambahan perisa alami.
- iii. Batas maksimum teukrin A dalam produk pangan sebagai akibat dari penambahan perisa alami dalam produk pangan:

No.	Produk Pangan	Batas Maksimum (mg/kg)
1	Makanan	Tidak terdeteksi
2	Minuman	Tidak terdeteksi
3	Pengecualian pada:	
	Minuman beralkohol	2

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
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LAMPIRAN III  
 PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
 REPUBLIK INDONESIA  
 NOMOR 22 TAHUN 2016  
 TENTANG  
 PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
 PERISA DALAM PANGAN

Ajudan Perisa yang Diizinkan

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
1.	150a	Karamel I	<i>Caramel I – Plain</i>	semua perisa	CPPB dalam perisa
2.	170(i)	Kalsium karbonat	<i>Calcium carbonate</i>	Semua perisa	CPPB dalam perisa
3.	200	Asam sorbat	<i>Sorbic acid</i>	Semua perisa	1500 mg/kg sebagai asamnya dalam perisa
4.	201	Natrium sorbat	<i>Sodium sorbate</i>	Semua perisa	1500 mg/kg sebagai asamnya dalam perisa
5.	202	Kalium sorbat	<i>Potassium sorbate</i>	Semua perisa	1500 mg/kg sebagai asamnya dalam perisa
6.	203	Kalsium sorbat	<i>Calcium sorbate</i>	Semua perisa	1500 mg/kg sebagai asamnya dalam perisa
7.	210	Asam benzoat	<i>Benzoic acid</i>	Semua perisa	1500 mg/kg sebagai asamnya dalam perisa
8.	211	Natrium benzoat	<i>Sodium benzoate</i>	Semua perisa	1500 mg/kg sebagai asamnya dalam perisa
9.	212	Kalium benzoat	<i>Potassium benzoate</i>	Semua perisa	1500 mg/kg sebagai asamnya dalam perisa
10.	213	Kalsium benzoat	<i>Calcium benzoate</i>	Semua perisa	1500 mg/kg sebagai asamnya dalam perisa
11.	260	Asam asetat	<i>Acetic acid</i>	Semua perisa	CPPB dalam perisa

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
12.	262(i)	Natrium asetat	<i>Sodium acetates</i>	Semua perisa	CPPB dalam perisa
13.	263	Kalsium asetat	<i>Calcium acetate</i>	Semua perisa	CPPB dalam perisa
14.	270	Asam Laktat	<i>Lactic acid</i>	Semua perisa	CPPB dalam perisa
15.	290	Karbon dioksida	<i>Carbon dioxide</i>	Semua perisa	CPPB dalam perisa
16.	296	Asam malat	<i>Malic acid</i>	Semua perisa	CPPB dalam perisa
17.	300	Asam askorbat	<i>Ascorbic acid</i>	Semua perisa	CPPB dalam perisa
18.	301	Natrium askorbat	<i>Sodium ascorbate</i>	Semua perisa	CPPB dalam perisa
19.	302	Kalsium askorbat	<i>Calcium ascorbate</i>	Semua perisa	CPPB dalam perisa
20.	304	Askorbil palmitat	<i>Askorbil palmitat</i>	Semua perisa	400 mg/kg
21.	307a	d-alfa tokoferol	<i>d-Alpha-Tocopherol</i>	Semua perisa	CPPB dalam perisa
22.	307b	Tokoferol campuran pekat	<i>Mixed tocopherol concentrate</i>	Semua perisa	CPPB dalam perisa
23.	307c	dl-alfa tokoferol	<i>dl-alpha Tocopherol</i>	Semua perisa	CPPB dalam perisa
24.	308	Gama tokoferol	<i>Gamma-tocopherol</i>	Semua perisa	CPPB dalam perisa
25.	310	Propyl gallate	<i>Propyl gallate</i>	Essential oils	1000 mg/kg dalam perisa essential oil dihitung terhadap kadar essential oil dengan persentase essential oil pada perisa lebih dari 20%.
	310	Propyl gallate	<i>Propyl gallate</i>	Perisa selain essential oil	200 mg/kg dalam perisa selain essential oil
26.	319	Butil hidrokinon tersier (TBHQ)	<i>Tertiary butylhydroquinone</i>	Essential oils	1000 mg/kg dalam perisa essential oil dihitung terhadap kadar



No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					essential oil dengan persentase essential oil pada perisa lebih dari 20%
	319	Butil hidrokinon tersier (TBHQ)	<i>Tertiary butylhydroquinone</i>	Perisa selain essential oil	200 mg/kg dalam perisa selain essential oil
27.	320	Butil hidroksi anisol (BHA)	<i>Butylated hydroxyanisole</i>	<i>Essential oils</i>	1000 mg/kg dalam perisa essential oil dihitung terhadap kadar essential oil dengan persentase essential oil pada perisa lebih dari 20%
	320	Butil hidroksi anisol (BHA)	<i>Butylated hydroxyanisole</i>	Perisa selain essential oil	200 mg/kg dalam perisa selain essential oil
28.	321	Butil hidroksi toluen	<i>Butylated hydroxytoluene</i>	Essential oils	1000 mg/kg dalam perisa essential oil dihitung terhadap kadar essential oil dengan persentase essential oil pada perisa lebih dari 20%.
				Perisa selain essential oil	200 mg/kg dalam perisa selain essential oil
29.	322	Lesitin	<i>Lecithins</i>	Semua perisa	CPPB dalam perisa
30.	325	Natrium laktat	<i>Sodium lactate</i>	Semua perisa	CPPB dalam perisa
31.	326	Kalium laktat	<i>Potassium lactate</i>	Semua perisa	CPPB dalam perisa
32.	327	Kalsium laktat	<i>Calcium lactate</i>	Semua perisa	CPPB dalam perisa

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
33.	330	Asam sitrat	<i>Citric acid</i>	Semua perisa	CPPB dalam perisa
34.	331(i)	Natrium dihidrogen sitrat	<i>Sodium dihydrogen citrate</i>	Semua perisa	CPPB dalam perisa
35.	331(ii)	Dinatrium monohidrogen sitrat	<i>Disodium monohydrogen Citrate</i>	Semua perisa	CPPB dalam perisa
36.	331(iii)	Trinatrium sitrat	<i>Trisodium citrate</i>	Semua perisa	CPPB dalam perisa
37.	332(i)	Kalium dihidrogen sitrat	<i>Potassium dihydrogen citrate</i>	Semua perisa	CPPB dalam perisa
38.	332(ii)	Trikalium sitrat	<i>Tripotassium citrate</i>	Semua perisa	CPPB dalam perisa
39.	333 (iii)	Trikalium sitrat	<i>Tricalcium citrate</i>	Semua perisa	CPPB dalam perisa
40.	350(i)	Natrium hidrogen malat	<i>Sodium hydrogen malate</i>	Semua perisa	CPPB dalam perisa
41.	350(ii)	Natrium malat	<i>Sodium malate</i>	Semua perisa	CPPB dalam perisa
42.	352(ii)	Kalsium DL-malat	<i>Calcium DL-malate</i>	Semua perisa	CPPB dalam perisa
43.	400	Asam alginat	<i>Alginic acid</i>	Semua perisa	CPPB dalam perisa
44.	401	Natrium alginat	<i>Sodium alginate</i>	Semua perisa	CPPB dalam perisa
45.	402	Kalium alginat	<i>Potassium alginate</i>	Semua perisa	CPPB dalam perisa
46.	404	Kalsium alginat	<i>Calcium alginate</i>	Semua perisa	CPPB dalam perisa
47.	406	Agar-agar	<i>Agar</i>	Semua perisa	CPPB dalam perisa
48.	407	Karagenan	<i>Carrageenan</i>	Semua perisa	CPPB dalam perisa
49.	407a	Rumput laut eucheuma olahan	<i>Processed eucheuma seaweed</i>	Semua perisa	CPPB dalam perisa
50.	410	Gom Kacang Lokus	<i>Locust bean gum</i>	Semua perisa	CPPB dalam perisa
51.	412	Gom guar	<i>Guar gum</i>	Semua perisa	CPPB dalam perisa
52.	413	Gom Tragakan	<i>Tragacanth gum</i>	Semua perisa	CPPB dalam perisa
53.	414	Gom arab	<i>Acacia gum (gum arabic)</i>	Semua perisa	CPPB dalam perisa
54.	415	Gom xantha	<i>Xanthan gum</i>	Semua perisa	CPPB dalam perisa
55.	416	Karaya gum	<i>Karaya gum</i>	Semua perisa	50000 mg/kg dalam perisa

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
56.	417	Gom tara	<i>Tara gum</i>	Semua perisa	CPPB dalam perisa
57.	418	Gom Gelan	<i>Gellan gum</i>	Semua perisa	CPPB dalam perisa
58.	420 (i) 420 (ii)	Sorbitol Sorbitol sirup	<i>Sorbitol</i> <i>Sorbitol syrup</i>	Semua perisa	CPPB dalam perisa
59.	421	Manitol	<i>Mannitol</i>	Semua perisa	CPPB dalam perisa
60.	422	Gliserol	<i>Glycerol</i>	Semua perisa	CPPB dalam perisa
61.	428	Gelatin	<i>Edible Gelatin</i>	Semua perisa	CPPB dalam perisa
62.	432	Polisorbat 20	<i>Polyoxyethylene (20) sorbitan monolaurate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair
					120 mg/kg dalam produk pangan Untuk perisa asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
63.	433	Polisorbat 80	<i>Polyoxyethylene (20) sorbitan monooleate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair kecuali perisa asap cair dan perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
					Untuk perisa asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
64.	434	Polisorbat 40	<i>Polyoxyethylen e (20) sorbitan Monopalmitate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair kecuali perisa asap cair dan perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
				Untuk perisa asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>	120 mg/kg dalam produk pangan
65.	435	Polisorbat 60	<i>Polyoxyethylen e (20) sorbitan monostearate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair kecuali perisa asap cair dan perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
				Untuk perisa asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>	120 mg/kg dalam produk pangan
66.	436	Polisorbat 65	<i>Polyoxyethylen e (20) sorbitan tristearate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair kecuali perisa asap cair dan perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
				Untuk perisa	120 mg/kg

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
				asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>	dalam produk pangan
67.	440	Pektin	<i>Pectins</i>	Semua perisa	CPPB dalam perisa
68.	460 (i)	Selulosa mikrokristalin	<i>Microcrystalline cellulose</i>	Semua perisa	CPPB dalam perisa
69.	460 (ii)	Selulosa bubuk	<i>Powdered cellulose</i>	Semua perisa	CPPB dalam perisa
70.	461	Metil selulosa	<i>Methyl cellulose</i>	Semua perisa	CPPB dalam perisa
71.	462	Etil selulosa	<i>Ethyl cellulose</i>	Semua perisa	CPPB dalam perisa
72.	463	Hidroksipropil selulosa	<i>Hydroxypropyl cellulose</i>	Semua perisa	CPPB dalam perisa
73.	464	Hidroksipropil metil selulosa	<i>Hydroxypropyl methyl cellulose</i>	Semua perisa	CPPB dalam perisa
74.	465	Etil metil selulosa	<i>Ethyl methyl cellulose</i>	Semua perisa	CPPB dalam perisa
75.	466	Natrium karboksimetil selulosa	<i>Sodium carboxymethyl Cellulose</i>	Semua perisa	CPPB dalam perisa
76.	469	Natrium karboksimetil selulosa hidrolisa enzim	<i>Sodium carboxymethyl cellulose, enzymatically hydrolysed</i>	Semua perisa	CPPB dalam perisa
77.	470(i)	Asam miristat, palmitat dan stearat dan garamnya (kalsium, kalium, dan natrium (Ca, K, Na)	<i>Myristic, palmitic &amp; stearic acids and their calcium, potassium and sodium (Ca, K, Na) salts</i>	Semua perisa	CPPB dalam perisa
78.	470 (ii)	Garam-garam dari asam oleat dengan kalsium, kalium dan natrium (Ca, K, Na)	<i>Salts of oleic acid with calcium, potassium, and sodium (Ca, K, Na)</i>	Semua perisa	CPPB dalam perisa
79.	470 (iii)	Magnesium stearat	<i>Magnesium stearate)</i>	Semua perisa	CPPB dalam perisa
80.	471	Mono dan	<i>Mono- and</i>	Semua perisa	CPPB dalam

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
		digliserida asam lemak	<i>diglycerides of fatty acids</i>		perisa
81.	472a	Ester lemak asetat gliserol	asam dan dari <i>Acetic acid esters of mono- and diglycerides of fatty acids</i>	Semua perisa	CPPB dalam perisa
82.	472b	Ester lemak laktat gliserol	asam dan dari <i>Lactic acid esters of mono- and diglycerides of fatty acids</i>	Semua perisa	CPPB dalam perisa
83.	472c	Ester lemak sitrat gliserol	asam dan dari <i>Citric acid esters of mono- and diglycerides of fatty acids</i>	Semua perisa	CPPB dalam perisa
84.	472e	Ester lemak diasetiltartrat dari gliserol	asam dan <i>Diacetyltaric and Fatty Acid Esters of Glycerol</i>	Semua perisa	50000 mg/kg dalam perisa
85.	473	Ester Sukrosa Asam Lemak	<i>Sucrose Ester of Fatty Acids</i>	hanya untuk perisa yang akan digunakan pada kategori pangan 14.1.4	20000 mg/kg dalam perisa
86.	475	Ester poligliserol asam lemak	<i>Polyglycerol Esters of Fatty Acids</i>	semua perisa	30000 mg/kg dalam perisa
87.	500(i)	Natrium karbonat	<i>Sodium carbonates</i>	Semua perisa	CPPB dalam perisa
88.	500(ii)	Natrium hidrogen karbonat	<i>Sodium hydrogen carbonate</i>	Semua perisa	CPPB dalam perisa
89.	501(i)	Kalium karbonat	<i>Potassium carbonates</i>	Semua perisa	CPPB dalam perisa
90.	501(ii)	Kalium hidrogen karbonat	<i>Potassium hydrogen carbonate</i>	Semua perisa	CPPB dalam perisa
91.	503(i)	Amonium karbonat	<i>Ammonium carbonates</i>	Semua perisa	CPPB dalam perisa
92.	503(ii)	Amonium hidrogen karbonat	<i>Ammonium hydrogen carbonate</i>	Semua perisa	CPPB dalam perisa
93.	504(i)	Magnesium karbonat	<i>Magnesium carbonate</i>	Semua perisa	6000 mg/kg sebagai total Mg dalam perisa

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
94.	507	Asam hidroklorida	<i>Hydrochloric acid</i>	Semua perisa	CPPB dalam perisa
95.	508	Kalium klorida	<i>Potassium chloride</i>	Semua perisa	CPPB dalam perisa
96.	509	Kalsium klorida	<i>Calcium chloride</i>	Semua perisa	CPPB dalam perisa
97.	514(i)	Natrium sulfat	<i>Sodium sulphate</i>	Semua perisa	CPPB dalam perisa
98.	524	Natrium hidroksida	<i>Sodium hydroxide</i>	Semua perisa	CPPB dalam perisa
99.	525	Kalium hidroksida	<i>Potassium hydroxide</i>	Semua perisa	CPPB dalam perisa
100.	526	Kalsium hidroksida	<i>Calcium hydroxide</i>	Semua perisa	CPPB dalam perisa
101.	529	Kalsium oksida	<i>Calcium oxide</i>	Semua perisa	CPPB dalam perisa
102.	551	Silikon dioksida halus	<i>Silicon dioxide, amorphous</i>	Perisa <i>powder</i>	35000 mg/kg dalam perisa <i>powder</i>
103.	578	Kalsium glukonat	<i>Calcium gluconate</i>	Semua perisa	CPPB dalam perisa
104.	941	Nitrogen	<i>Nitrogen</i>	Semua perisa	CPPB dalam perisa
105.	953	Isomalt/ Isomaltitol	<i>Isomalt/ Isomaltitol</i>	Semua perisa	CPPB dalam perisa
106.	965 (i) 965(ii)	Maltitol Maltitol sirup	<i>Maltitol Maltitol syrup</i>	Semua perisa	CPPB dalam perisa
107.	966	Laktitol	<i>Lactitol</i>	Semua perisa	CPPB dalam perisa
108.	967	Silitol	<i>Xylitol</i>	Semua perisa	CPPB dalam perisa
109.	968	Eritritol	<i>Erythritol</i>	Semua perisa	CPPB dalam perisa
110.	1200	Polidekstroza	<i>Polydextrose</i>	Semua perisa	CPPB dalam perisa
111.	1400	Dekstrin	<i>Dextrins</i>	Semua perisa	CPPB Kecuali kategori pangan yang telah diatur dalam

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Peraturan Kepala Badan POM tentang Batas Maksimum BTP Garam pengemulsi, pengemulsi, pembentuk gel, penstabil
112.	1404	Pato oksidasi	<i>Oxidised starch</i>	Semua perisa	CPPB dalam perisa
113.	1410	Monopati fosfat	<i>Monostarch phosphate</i>	Semua perisa	CPPB dalam perisa
114.	1412	Dipati fosfat	<i>Distarch phosphate</i>	Semua perisa	CPPB dalam perisa
115.	1413	Fosfat dipati fosfat	<i>Phosphated distarch phosphate</i>	Semua perisa	CPPB dalam perisa
116.	1414	Dipati fosfat terasetilasi	<i>Acetylated distarch phosphate</i>	Semua perisa	CPPB dalam perisa
117.	1420	Pati asetat	<i>Starch acetate</i>	Semua perisa	CPPB dalam perisa
118.	1422	Dipati adipat terasetilasi	<i>Acetylated distarch adipate</i>	Semua perisa	CPPB dalam perisa
119.	1440	Hidroksipropil pati	<i>Hydroxy propyl starch</i>	Semua perisa	CPPB dalam perisa
120.	1442	Hidroksipropil dipati fosfat	<i>Hydroxy propyl distarch phosphate</i>	Semua perisa	CPPB dalam perisa
121.	1450	Pati natrium oktenilsuksinat	<i>Starch sodium octenyl succinate</i>	Semua perisa	CPPB dalam perisa
122.	1451	Asetil pati oksidasi	<i>Acetylated oxidised starch</i>	Semua perisa	CPPB dalam perisa
123.	1518	Triasetin	<i>Triacetin</i>	Semua perisa	CPPB dalam perisa
124.	1520	Propilen glikol	<i>Propylene glycol</i>	Semua perisa	1000 mg/kg produk pangan pada kategori pangan 01.0



No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Produk – produk Susu dan Analognya, Kecuali Yang Termasuk Kategori 02.0(Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 02.0 Lemak, Minyak Dan Emulsi Minyak (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 03.0 Es Untuk Dimakan ( <i>Edible Ice</i> ), Termasuk Sherbet Dan Sorbet (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 04.0 Buah Dan Sayur (Termasuk

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Jamur, Umbi, Kacang Termasuk Kacang Kedelai, dan Lidah Buaya), Rumput Laut, Biji-Bijian (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 05.0 Kembang Gula / Permen Dan Cokelat (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	250 mg/kg produk pangan pada kategori pangan 06.0 Sereal dan Produk Sereal yang merupakan produk turunan dari biji sereal, akar dan umbi, kacang dan empulur (bagian dalam batang tanaman), tidak termasuk produk bakeri dari kategori 07.0 dan tidak termasuk

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Kacang Dari Kategori 04.2.1 Dan 04.2.2 (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 07.0 Produk Bakteri (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 08.0 Daging dan Produk Daging, Termasuk Daging Unggas dan Daging Hewan

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Buruan (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 09.0 Ikan dan Produk Perikanan Termasuk Moluska, Krustase Dan Ekinodermata Serta Amfibi Dan Reptil (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 10.0 Telur Dan Produk-Produk

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Telur(Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 11.0 Pemanis, Termasuk Madu (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 12.0 Garam, Rempah, Sup, Saus, Salad, Produk Protein(Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP)

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 13.0 Produk Pangan Untuk Keperluan Gizi Khusus(Kecuali Kategori Pangan yang telah daitur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	600 mg/kg dihitung terhadap produk siap konsumsi pada kategori pangan 14.0 Minuman, Tidak Termasuk Produk Susu(Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)



No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
				Semua perisa	300 mg/kg produk pangan pada kategori pangan 15.0 Makanan Ringan Siap Santap (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ROY A. SPARRINGA

LAMPIRAN IV  
 PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
 REPUBLIK INDONESIA  
 NOMOR 22 TAHUN 2016  
 TENTANG  
 PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
 PERISA DALAM PANGAN

**PELARUT PENGEKSTRAKSI**

No.	Senyawa		Batas Maksimum dalam Produk Pangan (mg/kg)
	Nama Indonesia	Nama Inggris	
1	1,1,2-Trikloroetilen	1,1,2-Trichloroethylene	0,1
2	Aseton (Dimetil keton)	Acetone (dimethyl ketone)	CPPB
3	Benzil alkohol	Benzyl alcohol	70 sebagai total benzil alkohol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
4	Butil alkohol	Butyl alcohol	15 sebagai total butan-1-ol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
5	2-Butanol	2-Butanol	15 sebagai total butan-2-ol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
6	Butana	Butane	1
9	Dietil eter	Diethyl ether	2
10	Diklorometan	Dichloromethane	2
11	Etanol	Ethanol	CPPB
12	Heksana	Hexane	0,1
13	Heptana	Heptane	0,1
14	Isobutanol (2-Metilpropan-1-ol)	Isobutanol (2-methylpropan-1-ol)	40 sebagai total isobutanol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
15	Isopropil alkohol	Isopropyl alcohol	60 sebagai total isopropil alkohol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
16	Karbon dioksida	Carbon dioxide	CPPB
17	Metanol	Methanol	10 dalam produk akhir, kecuali dalam produk alkohol mengikuti ketentuan minuman alkohol.

No.	Senyawa		Batas Maksimum dalam Produk Pangan (mg/kg)
	Nama Indonesia	Nama Inggris	
19	Propil alkohol	<i>Propyl alcohol</i>	40 sebagai total Propan-1-ol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
21	Sikloheksana	<i>Cyclohexane</i>	1
22	Toluen	<i>Toluene</i>	1

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
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LAMPIRAN V  
PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA  
NOMOR 22 TAHUN 2016  
TENTANG  
PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
PERISA DALAM PANGAN

**BTP PERISA YANG DIIZINKAN PADA FORMULA PERTUMBUHAN**

No	Nama Perisa	Batas Maksimum dihitung terhadap produk siap konsumsi
1	Ekstrak buah alami	CPPB
2	Ekstrak vanilla	CPPB
3	Etil vanillin	5 mg/100 mL
4	Vanilin	5 mg/100 mL

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

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LAMPIRAN VI  
PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA  
NOMOR 22 TAHUN 2016  
TENTANG  
PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
PERISA DALAM PANGAN

**BTP PERISA YANG DIIZINKAN PADA MAKANAN PENDAMPING  
AIR SUSU IBU (MP-ASI)**

No	Nama Perisa	Batas Maksimum
1	Ekstrak buah alami	CPPB
2	Ekstrak vanilla	CPPB
3	Etil vanillin	7mg/100 g
4	Vanilin	7mg/100 g

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ROY A. SPARRINGA

LAMPIRAN VII  
PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA  
NOMOR 22 TAHUN 2016  
TENTANG  
PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
PERISA DALAM PANGAN

**CONTOH FORMULIR PERMOHONAN PENGGUNAAN BTP**

FORMULIR BTP 1

SURAT PERMOHONAN PENGGUNAAN BTP

Nama perusahaan/importir :  
Alamat perusahaan/importir :  
Nomor surat perusahaan/importir :  
Perihal :  
Lampiran :

Kepada Yth.

Kepada Yth.  
Kepala Badan Pengawas Obat dan Makanan

Sesuai dengan ketentuan Pasal 10 Peraturan Kepala Badan Pengawas Obat dan Makanan, Nomor 22 tentang Persyaratan Penggunaan Bahan Tambahan Pangan Perisa, dengan ini kami mengajukan permohonan untuk menggunakan BTP sebagai berikut:

a. Jenis BTP dan No. JECFA/FEMA :  
b. Fungsi :  
c. Jenis pangan :  
d. Kategori pangan :

Demikian surat ini kami sampaikan, atas perhatian dan kerjasamanya kami ucapkan terimakasih.

TTD dan Cap Perusahaan :  
Nama Pemohon :  
*Contact Person* :  
Telp./Fax/E-mail :

FORMULIR BTP 2

DATA UMUM BAHAN TAMBAHAN PANGAN

- 1. Nama Dagang :
- 2. Nama Jenis :
- 3. JenisKemasandanNetto :
- 4. Nama Pabrik/ Perusahaan :  
AlamatPabrik/Perusahaan :  
NomorTelepon :
- 5. Nama PabrikPengemasKembali :  
Alamat PabrikPengemas Kembali :  
NomorTelepon :  
Nama PabrikAsal :  
Alamat Pabrik asal :
- 6. Jika Lisensi  
Nama Pabrik/Perusahaan :  
AlamatPabrik/Perusahaan :  
NomorTelepon :  
Nama PabrikPemberi Lisensi :  
Alamat PabrikPemberi Lisensi :
- 7. Jika diimpor  
Nama Pabrik :  
AlamatPabrik :  
Nama Importir :  
Alamat Importir :  
Nomor Telepon :

FORMULIR BTP 3

Uraikan:

1. Nama kimia  
.....
2. Kode Internasional (No. INS/CI/E number)  
.....
3. Rumus kimia  
.....
4. Komposisi BTP  
.....
5. Spesifikasi mutu bahan (deskripsi, sifat fisika dan kimia)  
.....



FORMULIR BTP 4

Uraikan:

1. Komposisi produk pangan  
....
2. Jumlah penggunaan BTP pada proses produksi pangan  
....
3. Fungsi dan tujuan penggunaan BTP  
....
4. Sertifikat analisis BTP pada produk pangan  
....
5. Alur produksi produk pangan dan cara penggunaan produk pangan  
....

## FORMULIR BTP 5

Uraikan kepustakaan dari referensi yang dapat dipercaya yang menjelaskan bahwa BTP tersebut aman digunakan disertai dengan data, sekurang-kurangnya:

1. Sandingan/komparasi regulasi negara lain
2. Data keamanan BTP (untuk jenis BTP baru)
3. Metode pengujian BTP dalam produk pangan
4. Metode analisis yang digunakan untuk penetapan kadar dan kemurnian jenis BTP baru
5. Mekanisme kerja BTP sehingga efek fisik yang dikehendaki dalam produk pangan dapat dicapai dalam pangan

FORMULIR BTP 6

TANDA TERIMA  
Nomor...../...../20....

Nama Perusahaan/Importir :  
Alamat Perusahaan/Importir :  
Perihal :  
Nomor Surat :

Jakarta,.....20.....  
Penerima  
.....

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ttd.

ROY A. SPARRINGA

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
33.	330	Asam sitrat	<i>Citric acid</i>	Semua perisa	CPPB dalam perisa
34.	331(i)	Natrium dihidrogen sitrat	<i>Sodium dihydrogen citrate</i>	Semua perisa	CPPB dalam perisa
35.	331(ii)	Dinatrium monohidrogen sitrat	<i>Disodium monohydrogen Citrate</i>	Semua perisa	CPPB dalam perisa
36.	331(iii)	Trinatrium sitrat	<i>Trisodium citrate</i>	Semua perisa	CPPB dalam perisa
37.	332(i)	Kalium dihidrogen sitrat	<i>Potassium dihydrogen citrate</i>	Semua perisa	CPPB dalam perisa
38.	332(ii)	Trikalium sitrat	<i>Tripotassium citrate</i>	Semua perisa	CPPB dalam perisa
39.	333 (iii)	Trikalium sitrat	<i>Tricalcium citrate</i>	Semua perisa	CPPB dalam perisa
40.	350(i)	Natrium hidrogen malat	<i>Sodium hydrogen malate</i>	Semua perisa	CPPB dalam perisa
41.	350(ii)	Natrium malat	<i>Sodium malate</i>	Semua perisa	CPPB dalam perisa
42.	352(ii)	Kalsium DL-malat	<i>Calcium DL-malate</i>	Semua perisa	CPPB dalam perisa
43.	400	Asam alginat	<i>Alginic acid</i>	Semua perisa	CPPB dalam perisa
44.	401	Natrium alginat	<i>Sodium alginate</i>	Semua perisa	CPPB dalam perisa
45.	402	Kalium alginat	<i>Potassium alginate</i>	Semua perisa	CPPB dalam perisa
46.	404	Kalsium alginat	<i>Calcium alginate</i>	Semua perisa	CPPB dalam perisa
47.	406	Agar-agar	<i>Agar</i>	Semua perisa	CPPB dalam perisa
48.	407	Karagenan	<i>Carrageenan</i>	Semua perisa	CPPB dalam perisa
49.	407a	Rumput laut eucheuma olahan	<i>Processed eucheuma seaweed</i>	Semua perisa	CPPB dalam perisa
50.	410	Gom Kacang Lokus	<i>Locust bean gum</i>	Semua perisa	CPPB dalam perisa
51.	412	Gom guar	<i>Guar gum</i>	Semua perisa	CPPB dalam perisa
52.	413	Gom Tragakan	<i>Tragacanth gum</i>	Semua perisa	CPPB dalam perisa
53.	414	Gom arab	<i>Acacia gum (gum arabic)</i>	Semua perisa	CPPB dalam perisa
54.	415	Gom xantha	<i>Xanthan gum</i>	Semua perisa	CPPB dalam perisa
55.	416	Karaya gum	<i>Karaya gum</i>	Semua perisa	50000 mg/kg dalam perisa

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
56.	417	Gom tara	<i>Tara gum</i>	Semua perisa	CPPB dalam perisa
57.	418	Gom Gelan	<i>Gellan gum</i>	Semua perisa	CPPB dalam perisa
58.	420 (i) 420 (ii)	Sorbitol Sorbitol sirup	<i>Sorbitol</i> <i>Sorbitol syrup</i>	Semua perisa	CPPB dalam perisa
59.	421	Manitol	<i>Mannitol</i>	Semua perisa	CPPB dalam perisa
60.	422	Gliserol	<i>Glycerol</i>	Semua perisa	CPPB dalam perisa
61.	428	Gelatin	<i>Edible Gelatin</i>	Semua perisa	CPPB dalam perisa
62.	432	Polisorbat 20	<i>Polyoxyethylene (20) sorbitan monolaurate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair 120 mg/kg dalam produk pangan Untuk perisa asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
63.	433	Polisorbat 80	<i>Polyoxyethylene (20) sorbitan monooleate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair kecuali perisa asap cair dan perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
				Untuk perisa asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>	120 mg/kg dalam produk pangan

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
64.	434	Polisorbat 40	<i>Polyoxyethylen e (20) sorbitan Monopalmitate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair kecuali perisa asap cair dan perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
				Untuk perisa asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>	120 mg/kg dalam produk pangan
65.	435	Polisorbat 60	<i>Polyoxyethylen e (20) sorbitan monostearate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair kecuali perisa asap cair dan perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
				Untuk perisa asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>	120 mg/kg dalam produk pangan
66.	436	Polisorbat 65	<i>Polyoxyethylen e (20) sorbitan tristearate</i>	Semua perisa	10000 mg/kg dalam perisa yang berbentuk cair kecuali perisa asap cair dan perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>
				Untuk perisa	120 mg/kg

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
				asap cair, perisa berbahan dasar <i>spice oleoresins</i> dan <i>citrus oil</i>	dalam produk pangan
67.	440	Pektin	<i>Pectins</i>	Semua perisa	CPPB dalam perisa
68.	460 (i)	Selulosa mikrokristalin	<i>Microcrystalline cellulose</i>	Semua perisa	CPPB dalam perisa
69.	460 (ii)	Selulosa bubuk	<i>Powdered cellulose</i>	Semua perisa	CPPB dalam perisa
70.	461	Metil selulosa	<i>Methyl cellulose</i>	Semua perisa	CPPB dalam perisa
71.	462	Etil selulosa	<i>Ethyl cellulose</i>	Semua perisa	CPPB dalam perisa
72.	463	Hidroksipropil selulosa	<i>Hydroxypropyl cellulose</i>	Semua perisa	CPPB dalam perisa
73.	464	Hidroksipropil metil selulosa	<i>Hydroxypropyl methyl cellulose</i>	Semua perisa	CPPB dalam perisa
74.	465	Etil metil selulosa	<i>Ethyl methyl cellulose</i>	Semua perisa	CPPB dalam perisa
75.	466	Natrium karboksimetil selulosa	<i>Sodium carboxymethyl Cellulose</i>	Semua perisa	CPPB dalam perisa
76.	469	Natrium karboksimetil selulosa hidrolisa enzim	<i>Sodium carboxymethyl cellulose, enzymatically hydrolysed</i>	Semua perisa	CPPB dalam perisa
77.	470(i)	Asam miristat, palmitat dan stearat dan garamnya (kalsium, kalium, dan natrium (Ca, K, Na)	<i>Myristic, palmitic &amp; stearic acids and their calcium, potassium and sodium (Ca, K, Na) salts</i>	Semua perisa	CPPB dalam perisa
78.	470 (ii)	Garam-garam dari asam oleat dengan kalsium, kalium dan natrium (Ca, K, Na)	<i>Salts of oleic acid with calcium, potassium, and sodium (Ca, K, Na)</i>	Semua perisa	CPPB dalam perisa
79.	470 (iii)	Magnesium stearat	<i>Magnesium stearate)</i>	Semua perisa	CPPB dalam perisa
80.	471	Mono dan	<i>Mono- and</i>	Semua perisa	CPPB dalam

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)	
		B. Indonesia	B. Inggris			
		digliserida asam lemak		<i>diglycerides of fatty acids</i>		perisa
81.	472a	Ester lemak asetat gliserol	asam dan dari	<i>Acetic acid esters of mono- and diglycerides of fatty acids</i>	Semua perisa	CPPB dalam perisa
82.	472b	Ester lemak laktat gliserol	asam dan dari	<i>Lactic acid esters of mono- and diglycerides of fatty acids</i>	Semua perisa	CPPB dalam perisa
83.	472c	Ester lemak sitrat gliserol	asam dan dari	<i>Citric acid esters of mono- and diglycerides of fatty acids</i>	Semua perisa	CPPB dalam perisa
84.	472e	Ester lemak diasetiltartrat dari gliserol	asam dan	<i>Diacetyltaric and Fatty Acid Esters of Glycerol</i>	Semua perisa	50000 mg/kg dalam perisa
85.	473	Ester Sukrosa Asam Lemak		<i>Sucrose Ester of Fatty Acids</i>	hanya untuk perisa yang akan digunakan pada kategori pangan 14.1.4	20000 mg/kg dalam perisa
86.	475	Ester poligliserol asam lemak		<i>Polyglycerol Esters of Fatty Acids</i>	semua perisa	30000 mg/kg dalam perisa
87.	500(i)	Natrium karbonat		<i>Sodium carbonates</i>	Semua perisa	CPPB dalam perisa
88.	500(ii)	Natrium hidrogen karbonat		<i>Sodium hydrogen carbonate</i>	Semua perisa	CPPB dalam perisa
89.	501(i)	Kalium karbonat		<i>Potassium carbonates</i>	Semua perisa	CPPB dalam perisa
90.	501(ii)	Kalium hidrogen karbonat		<i>Potassium hydrogen carbonate</i>	Semua perisa	CPPB dalam perisa
91.	503(i)	Amonium karbonat		<i>Ammonium carbonates</i>	Semua perisa	CPPB dalam perisa
92.	503(ii)	Amonium hidrogen karbonat		<i>Ammonium hydrogen carbonate</i>	Semua perisa	CPPB dalam perisa
93.	504(i)	Magnesium karbonat		<i>Magnesium carbonate</i>	Semua perisa	6000 mg/kg sebagai total Mg dalam perisa



No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
94.	507	Asam hidroklorida	<i>Hydrochloric acid</i>	Semua perisa	CPPB dalam perisa
95.	508	Kalium klorida	<i>Potassium chloride</i>	Semua perisa	CPPB dalam perisa
96.	509	Kalsium klorida	<i>Calcium chloride</i>	Semua perisa	CPPB dalam perisa
97.	514(i)	Natrium sulfat	<i>Sodium sulphate</i>	Semua perisa	CPPB dalam perisa
98.	524	Natrium hidroksida	<i>Sodium hydroxide</i>	Semua perisa	CPPB dalam perisa
99.	525	Kalium hidroksida	<i>Potassium hydroxide</i>	Semua perisa	CPPB dalam perisa
100.	526	Kalsium hidroksida	<i>Calcium hydroxide</i>	Semua perisa	CPPB dalam perisa
101.	529	Kalsium oksida	<i>Calcium oxide</i>	Semua perisa	CPPB dalam perisa
102.	551	Silikon dioksida halus	<i>Silicon dioxide, amorphous</i>	Perisa <i>powder</i>	35000 mg/kg dalam perisa <i>powder</i>
103.	578	Kalsium glukonat	<i>Calcium gluconate</i>	Semua perisa	CPPB dalam perisa
104.	941	Nitrogen	<i>Nitrogen</i>	Semua perisa	CPPB dalam perisa
105.	953	Isomalt/ Isomaltitol	<i>Isomalt/ Isomaltitol</i>	Semua perisa	CPPB dalam perisa
106.	965 (i) 965(ii)	Maltitol Maltitol sirup	<i>Maltitol Maltitol syrup</i>	Semua perisa	CPPB dalam perisa
107.	966	Laktitol	<i>Lactitol</i>	Semua perisa	CPPB dalam perisa
108.	967	Silitol	<i>Xylitol</i>	Semua perisa	CPPB dalam perisa
109.	968	Eritritol	<i>Erythritol</i>	Semua perisa	CPPB dalam perisa
110.	1200	Polidekstroza	<i>Polydextrose</i>	Semua perisa	CPPB dalam perisa
111.	1400	Dekstrin	<i>Dextrins</i>	Semua perisa	CPPB Kecuali kategori pangan yang telah diatur dalam

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Peraturan Kepala Badan POM tentang Batas Maksimum BTP Garam pengemulsi, pengemulsi, pembentuk gel, penstabil
112.	1404	Pato oksidasi	<i>Oxidised starch</i>	Semua perisa	CPPB dalam perisa
113.	1410	Monopati fosfat	<i>Monostarch phosphate</i>	Semua perisa	CPPB dalam perisa
114.	1412	Dipati fosfat	<i>Distarch phosphate</i>	Semua perisa	CPPB dalam perisa
115.	1413	Fosfat dipati fosfat	<i>Phosphated distarch phosphate</i>	Semua perisa	CPPB dalam perisa
116.	1414	Dipati fosfat terasetilasi	<i>Acetylated distarch phosphate</i>	Semua perisa	CPPB dalam perisa
117.	1420	Pati asetat	<i>Starch acetate</i>	Semua perisa	CPPB dalam perisa
118.	1422	Dipati adipat terasetilasi	<i>Acetylated distarch adipate</i>	Semua perisa	CPPB dalam perisa
119.	1440	Hidroksipropil pati	<i>Hydroxy propyl starch</i>	Semua perisa	CPPB dalam perisa
120.	1442	Hidroksipropil dipati fosfat	<i>Hydroxy propyl distarch phosphate</i>	Semua perisa	CPPB dalam perisa
121.	1450	Pati natrium oktenilsuksinat	<i>Starch sodium octenyl succinate</i>	Semua perisa	CPPB dalam perisa
122.	1451	Asetil pati oksidasi	<i>Acetylated oxidised starch</i>	Semua perisa	CPPB dalam perisa
123.	1518	Triasetin	<i>Triacetin</i>	Semua perisa	CPPB dalam perisa
124.	1520	Propilen glikol	<i>Propylene glycol</i>	Semua perisa	1000 mg/kg produk pangan pada kategori pangan 01.0

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Produk – produk Susu dan Analognya, Kecuali Yang Termasuk Kategori 02.0(Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 02.0 Lemak, Minyak Dan Emulsi Minyak (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 03.0 Es Untuk Dimakan ( <i>Edible Ice</i> ), Termasuk Sherbet Dan Sorbet (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 04.0 Buah Dan Sayur (Termasuk

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Jamur, Umbi, Kacang Termasuk Kacang Kedelai, dan Lidah Buaya), Rumput Laut, Biji-Bijian (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 05.0 Kembang Gula / Permen Dan Cokelat (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	250 mg/kg produk pangan pada kategori pangan 06.0 Sereal dan Produk Sereal yang merupakan produk turunan dari biji sereal, akar dan umbi, kacang dan empulur (bagian dalam batang tanaman), tidak termasuk produk bakery dari kategori 07.0 dan tidak termasuk

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Kacang Dari Kategori 04.2.1 Dan 04.2.2 (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 07.0 Produk Bakteri (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 08.0 Daging dan Produk Daging, Termasuk Daging Unggas dan Daging Hewan

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Buruan (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 09.0 Ikan dan Produk Perikanan Termasuk Moluska, Krustase Dan Ekinodermata Serta Amfibi Dan Reptil (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 10.0 Telur Dan Produk-Produk



No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Telur(Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 11.0 Pemanis, Termasuk Madu (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 12.0 Garam, Rempah, Sup, Saus, Salad, Produk Protein(Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP)

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
					Pembawa)
				Semua perisa	1000 mg/kg produk pangan pada kategori pangan 13.0 Produk Pangan Untuk Keperluan Gizi Khusus(Kecuali Kategori Pangan yang telah daitur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)
				Semua perisa	600 mg/kg dihitung terhadap produk siap konsumsi pada kategori pangan 14.0 Minuman, Tidak Termasuk Produk Susu(Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)

No.	INS	Jenis BTP		Produk yang ditambahkan	Batas Maksimum (mg/kg)
		B. Indonesia	B. Inggris		
				Semua perisa	300 mg/kg produk pangan pada kategori pangan 15.0 Makanan Ringan Siap Santap (Kecuali Kategori Pangan yang telah diatur dalam Peraturan Kepala Badan POM tentang Batas Maksimum BTP Pembawa)

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ROY A. SPARRINGA

LAMPIRAN IV  
 PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
 REPUBLIK INDONESIA  
 NOMOR 22 TAHUN 2016  
 TENTANG  
 PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
 PERISA DALAM PANGAN

**PELARUT PENGEKSTRAKSI**

No.	Senyawa		Batas Maksimum dalam Produk Pangan (mg/kg)
	Nama Indonesia	Nama Inggris	
1	1,1,2-Trikloroetilen	<i>1,1,2-Trichloroethylene</i>	0,1
2	Aseton (Dimetil keton)	<i>Acetone (dimethyl ketone)</i>	CPPB
3	Benzil alkohol	<i>Benzyl alcohol</i>	70 sebagai total benzil alkohol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
4	Butil alkohol	<i>Butyl alcohol</i>	15 sebagai total butan1-ol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
5	2-Butanol	<i>2-Butanol</i>	15 sebagai total butan2-ol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
6	Butana	<i>Butane</i>	1
9	Dietil eter	<i>Diethyl ether</i>	2
10	Diklorometan	<i>Dichloromethane</i>	2
11	Etanol	<i>Ethanol</i>	CPPB
12	Heksana	<i>Hexane</i>	0,1
13	Heptana	<i>Heptane</i>	0,1
14	Isobutanol (2-Metilpropan-1-ol)	<i>Isobutanol (2-methylpropan-1-ol)</i>	40 sebagai total isobutanol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
15	Isopropil alkohol	<i>Isopropyl alcohol</i>	60 sebagai total isopropil alkohol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
16	Karbon dioksida	<i>Carbon dioxide</i>	CPPB
17	Metanol	<i>Methanol</i>	10 dalam produk akhir, kecuali dalam produk alkohol mengikuti ketentuan minuman alkohol.

No.	Senyawa		Batas Maksimum dalam Produk Pangan (mg/kg)
	Nama Indonesia	Nama Inggris	
19	Propil alkohol	<i>Propyl alcohol</i>	40 sebagai total Propan-1-ol baik sebagai pelarut pengekstraksi atau sebagai senyawa perisa
21	Sikloheksana	<i>Cyclohexane</i>	1
22	Toluen	<i>Toluene</i>	1

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ROY A. SPARRINGA

LAMPIRAN V  
PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA  
NOMOR 22 TAHUN 2016  
TENTANG  
PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
PERISA DALAM PANGAN

**BTP PERISA YANG DIIZINKAN PADA FORMULA PERTUMBUHAN**

No	Nama Perisa	Batas Maksimum dihitung terhadap produk siap konsumsi
1	Ekstrak buah alami	CPPB
2	Ekstrak vanilla	CPPB
3	Etil vanillin	5 mg/100 mL
4	Vanilin	5 mg/100 mL

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ROY A. SPARRINGA

LAMPIRAN VI  
PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA  
NOMOR 22 TAHUN 2016  
TENTANG  
PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
PERISA DALAM PANGAN

**BTP PERISA YANG DIIZINKAN PADA MAKANAN PENDAMPING  
AIR SUSU IBU (MP-ASI)**

No	Nama Perisa	Batas Maksimum
1	Ekstrak buah alami	CPPB
2	Ekstrak vanilla	CPPB
3	Etil vanillin	7mg/100 g
4	Vanilin	7mg/100 g

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ROY A. SPARRINGA

LAMPIRAN VII  
PERATURAN KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA  
NOMOR 22 TAHUN 2016  
TENTANG  
PERSYARATAN PENGGUNAAN BAHAN TAMBAHAN PANGAN  
PERISA DALAM PANGAN

**CONTOH FORMULIR PERMOHONAN PENGGUNAAN BTP**

FORMULIR BTP 1

SURAT PERMOHONAN PENGGUNAAN BTP

Nama perusahaan/importir :  
Alamat perusahaan/importir :  
Nomor surat perusahaan/importir :  
Perihal :  
Lampiran :

Kepada Yth.

Kepada Yth.  
Kepala Badan Pengawas Obat dan Makanan

Sesuai dengan ketentuan Pasal 10 Peraturan Kepala Badan Pengawas Obat dan Makanan, Nomor 22 tentang Persyaratan Penggunaan Bahan Tambahan Pangan Perisa, dengan ini kami mengajukan permohonan untuk menggunakan BTP sebagai berikut:

a. Jenis BTP dan No. JECFA/FEMA :  
b. Fungsi :  
c. Jenis pangan :  
d. Kategori pangan :

Demikian surat ini kami sampaikan, atas perhatian dan kerjasamanya kami ucapkan terimakasih.

TTD dan Cap Perusahaan :  
Nama Pemohon :  
*Contact Person* :  
Telp./Fax/E-mail :



FORMULIR BTP 2

DATA UMUM BAHAN TAMBAHAN PANGAN

- 1. Nama Dagang :
- 2. Nama Jenis :
- 3. JenisKemasandanNetto :
- 4. Nama Pabrik/ Perusahaan :  
AlamatPabrik/Perusahaan :  
NomorTelepon :
- 5. Nama PabrikPengemasKembali :  
Alamat PabrikPengemas Kembali :  
NomorTelepon :  
Nama PabrikAsal :  
Alamat Pabrik asal :
- 6. Jika Lisensi  
Nama Pabrik/Perusahaan :  
AlamatPabrik/Perusahaan :  
NomorTelepon :  
Nama PabrikPemberi Lisensi :  
Alamat PabrikPemberi Lisensi :
- 7. Jika diimpor  
Nama Pabrik :  
AlamatPabrik :  
Nama Importir :  
Alamat Importir :  
Nomor Telepon :

FORMULIR BTP 3

Uraikan:

1. Nama kimia  
.....
2. Kode Internasional (No. INS/CI/E number)  
.....
3. Rumus kimia  
.....
4. Komposisi BTP  
.....
5. Spesifikasi mutu bahan (deskripsi, sifat fisika dan kimia)  
.....

FORMULIR BTP 4

Uraikan:

1. Komposisi produk pangan  
....
2. Jumlah penggunaan BTP pada proses produksi pangan  
....
3. Fungsi dan tujuan penggunaan BTP  
....
4. Sertifikat analisis BTP pada produk pangan  
....
5. Alur produksi produk pangan dan cara penggunaan produk pangan  
....

## FORMULIR BTP 5

Uraikan kepustakaan dari referensi yang dapat dipercaya yang menjelaskan bahwa BTP tersebut aman digunakan disertai dengan data, sekurang-kurangnya:

1. Sandingan/komparasi regulasi negara lain
2. Data keamanan BTP (untuk jenis BTP baru)
3. Metode pengujian BTP dalam produk pangan
4. Metode analisis yang digunakan untuk penetapan kadar dan kemurnian jenis BTP baru
5. Mekanisme kerja BTP sehingga efek fisik yang dikehendaki dalam produk pangan dapat dicapai dalam pangan

FORMULIR BTP 6

<u>TANDA TERIMA</u> Nomor...../...../20....	
Nama Perusahaan/Importir	:
Alamat Perusahaan/Importir	:
Perihal	:
Nomor Surat	:
Jakarta,.....20.....	
Penerima	
.....	

KEPALA BADAN PENGAWAS OBAT DAN MAKANAN  
REPUBLIK INDONESIA,

ttd.

ROY A. SPARRINGA