

INTERNATIONAL
FRAGRANCE ASSOCIATION
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Member Associations (for
action)
Members of the SC

cc RIFM

NOTIFICATION OF IFRA STANDARDS NO. 6

May 11, 2006

40th Amendment to the IFRA Code of Practice

Dear Colleagues,

IFRA notifies:

- **New and Revised Standards on Cinnamic aldehyde, Citral (QRA), Eugenol, Farnesol (QRA), trans-2-Hexenal, Methyl N-methylantranilate, Nootkatone, Phenylacetaldehyde (QRA) and Tea leaf (camellia sinensis) absolute (QRA)**
- **Addition of Santolina oil to the list of materials with non supported use (“other materials”)**
- **Publication of 33 reformatted Standards prohibiting the use of ingredients in fragrance compounds.**

Please note the following:

- a) The compliance with the Standards of the IFRA Code of Practice is mandatory for all companies belonging to an IFRA member association.
- b) The IFRA Standards usually enter into force
 - one month after the date of this letter of notification for new submissions
 - 13 months after the date of this letter of notification for existing compounds.Exceptions to this rule are stated in section 1 below.
- c) The Standards below will be published on the website seven months after the date of the letter of notification.
- d) The National Associations are required to circulate this letter without any delay to their member companies.



While it is generally recommended that the fragrance manufacturers inform their clients about the status of their fragrance compounds within 60 days after the Amendment came into force, due to the tremendous changes in the system linked to the QRA Standards and the 11 categories they are introducing, we recommend a timeline of no more than 3 months to report your status to your customers.

1. New and Revised Standards

Name	CAS No	Synonyms	Status
Cinnamic aldehyde	104-55-2	Cinnamal Cinnamaldehyde Phenylacrolein 3-Phenyl-2-propenal 3-Phenyl-2-propen-1-al 'Cassia aldehyde'	Restricted Revised (for section of non-skin contact products only)
Citral	5392-40-5 141-27-5 106-26-3	3,7-Dimethyl-2,6,-octadienal Geranial (trans-citral) Neral Lemarome	Restricted Based on QRA Replaces existing Standard based on quenching
Eugenol	97-53-0	4-Allylcatechol-2-methyl ether 1-Allyl-4-hydroxy-3-methoxybenzene 4-Allyl-2-methoxyphenol Caryophyllic acid 2-Hydroxy-5-allylanisole 1-Hydroxy-2-methoxy-4-allylbenzene 4-Hydroxy-3-methoxy-1-allyl-benzene 1-Hydroxy-2-methoxy-4-propenyl-benzene 2-Methoxy-4-allyl-phenol 2-Methoxy-4-(2-propenyl)phenol Phenol, 2-methoxy-4-(2-propenyl)-Eugenic acid Allylguaiacol 4-Allylguaiacol	Restricted Revised (for section of non-skin contact products only)
Farnesol	4602-84-0	2,6,10-Dodecatrien-1-ol,3,7,11-tri-methyl- Farnesyl alcohol Trimethyl dodecatrienol 3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol	Restricted Specified Based on QRA and specification Replaces the existing Standard based on specification
trans-2-Hexenal	6728-26-3	2-Hexenal, (E)- Hexen-2-al Leaf aldehyde beta-Propyl acrolein	Restricted Revised (for section of contributions from other sources only – see Annex 1) See also IL 731

Name	CAS No	Synonyms	Status
Methyl N-methylantranilate	85-91-6	Benzoic acid, 2-(methylamino)-, methyl ester Dimethyl anthranilate 2-Methylamino methyl benzoate N-Methylantranilic acid, methyl ester Methyl 2-methylaminobenzoate Methyl α -methylaminobenzoate	Restricted Revised (for section of contributions from other sources only – see Annex 1) See also IL 731
Nootkatone + 1 attachment (Methods for purity determination)	4674-50-4	5,6-Dimethyl-8-isopropenylbicyclo-(4.4.0)dec-1-en-3-one 4a,5-Dimethyl-1,2,3,4,4a,5,6,7-octahydro-7-keto-3-isopropenyl-naphthalene 4 β H,5 α -Eremophila-1(10),11-dien-2-one 4 β H,5 α -Eremorphila-1(10),11-dien-2-one (4R-(4 α ,4a α ,6 β))-4,4a,5,6,7,8-Hexa-hydro-4,4a-dimethyl-6-(1-methylvinyl)-naphthalen-2(3H)-one 4,4a,5,6,7,8-Hexahydro-6-isopro-penyl-4,4a-dimethyl-2(3H)-naphthalenone 2(3H)-Naphthalenone, 4,4a,5,6,7,8-hexahydro-4,4a-dimethyl-6-(1-methyl-ethenyl)-, (4R,4aS,6R)-	Specified Revised (New purity requirement, prohibiting the use of lower purity grade material)
Phenylacetaldehyde	122-78-1	Benzeneacetaldehyde Benzylcarboxaldehyde Hyacinthin 1-Oxo-2-phenylethane Phenylacetic aldehyde Phenyl Acetic Aldehyde (pure) α -Tolualdehyde α -Toluic aldehyde	Restricted Based on QRA Replaces existing Standard based on quenching
Tea leaf (camellia sinensis) absolute	84650-60-2	Camellia sinensis leaf extract Tea, extr. Tea sinsensis absolute Thea chinensis ext. Thea sinensis ext.	Restricted New Based on QRA Removed from the List of Other Materials
Santolina oil	84961-58-0		Prohibited New – Added to list of other materials

For Citral, Nootkatone and Phenylacetaldehyde, the ‘quenching phenomenon’ could not be verified. The Standards or sections thereof referring to ‘quenching’ of these materials are therefore no longer valid and are replaced by new ones providing restrictions or purity requirements respectively.

The Standards on Citral, Farnesol, Phenylacetaldehyde and Tea leaf absolute are the first IFRA Standards to be based on the quantitative risk assesement (QRA) methodology. For more information about the implementation of the QRA and about the 11 categories resulting from this new process, please refer to the “QRA Informational Booklet” included in this package.



COMPLIANCE TIMELINES:

There will be different compliance times for the various new Standards or the respective changes in revised Standards, according to the following scheme:

Ingredients	Date for Standards entering into force for new submissions	Date of Standards entering into force for existing fragrance compounds
Citral Farnesol Phenylacetaldehyde Tea leaf (camellia sinensis) absolute	13 months after the date of the letter of notification	25 months after the date of the letter of notification
Nootkatone	7 months after the date of the letter of notification	19 months after the date of the letter of notification
Cinnamic aldehyde Eugenol trans-2-Hexenal Methyl N-methyl-anthranilate Santolina oil	1 month after the date of the letter of notification (= standard procedure)	13 months after the date of the letter of notification (= standard procedure)

The prolonged compliance time for the QRA Standards is granted as their introduction is going to be a tremendous change in the system, which will require some time to get familiar with, update the computer systems etc. (at supplier as well as customer side).

For Nootkatone, a prolonged compliance time has been granted as this is a specification Standard and some time might be required to get hold of the qualities, compliant with the new specification, also for new submissions.

2. Publication of 33 Reformatted Standards

The 33 Standards included in the table below have been converted to the new format. The new format features a number of changes such as providing more details and identification data about the material (synonyms, CAS number, etc.)¹. It does not affect the contents of the IFRA Standards.

Acetyl ethyl tetramethyl tetralin (AETT, Versalide)	88-29-9	New format
Acetyl isovaleryl (5-Methyl-2,3-hexanedione)	13706-86-0	New format
Alantroot oil	97676-35-2	New format
Anisylidene acetone (4-(p-methoxyphenyl)-3-butene-2-one)	943-88-4	New format
Benzylidene acetone (4-Phenyl-3-buten-2-one)	122-57-6	New format
p-tert-Butylphenol	98-54-4	New format
Colophony	8050-09-7	New format
Costus root oil, absolute and concrete	8023-88-9	New format
Diethyl maleate	141-05-9	New format
Dihydrocoumarin (Melilotine)	119-84-6	New format
2,4-Dihydroxy-3-methylbenzaldehyde	6248-20-0	New format
4,6-Dimethyl-8-tert-butylcoumarin (Butolia)	17874-34-9	New format
Dimethyl citraconate	617-54-9	New format
Ethyl acrylate	140-88-5	New format
Fig leaf absolute	68916-52-9	New format
Trans-2-Heptenal	18829-55-5	New format
Hexahydrocoumarin	700-82-3	New format
Trans-2-Hexenal diethyl acetal	67746-30-9	New format
Trans-2-Hexenal dimethyl acetal	18318-83-7	New format
Hydroquinone monoethyl ether (4-Ethoxy phenol)	622-62-8	New format
Hydroquinone monomethyl ether (4-Methoxy phenol)	150-76-5	New format
6-Isopropyl-2-decalol (Decatol)	34131-99-2	New format
Alpha-Methyl anisylidene acetone	104-27-8	New format
6-Methylcoumarin (Toncarine)	92-48-8	New format
7-Methylcoumarin	2445-83-2	New format
Methyl crotonate	623-43-8	New format
4-Methyl-7-ethoxycoumarin (Maraniol)	87-05-8	New format
Musk ambrette	83-66-9	New format
Nitrobenzene	98-95-3	New format
2-Pentylidene cyclohexanone	25677-40-1	New format
Pseudoionone (2,6-Dimethylundeca-2,6,8-trien-10-one)	141-10-6	New format
Pseudomethylionone (7,11-Dimethyl-4,6,10-dodecatrien-3-one)	26651-96-7	New format
Verbena Oil	8024-12-2	New format

¹ For more information about the new format of the Standards, see IFRA Information Letter 701 (8 Sept. 2004).



3. Other documents included in this package

QRA Informational Booklet	New
Annex 1 to the IFRA Standards	Revised*
Index (list of all IFRA Standards)	Revised

* The Annex 1 to the IFRA Standards has been updated with contributions from other sources of Methyl N-methylantranilate, trans-2-Hexenal, Citral and Farnesol.

The Member Associations are kindly requested to distribute this information without delay to their individual members.

If you have any questions, please do not hesitate to contact the IFRA Secretariat.

Best regards
Matthias Vey
Scientific Director

History of Amendments to the IFRA Code of Practice (since year 2001)

No. of notification	Date of notification	Standards
- 1 - 35th Amendment	April 17, 2001	Tagetes oil and absolute Methyl N-methylantranilate (Dimethyl anthranilate) Rue oil Petitgrain Mandarin oil
- 2 - 36th Amendment	July 3, 2002	Bitter orange peel oil expressed Cinnamyl nitrile Methyleugenol
- 3 - 37th Amendment	April 15, 2003	Cinnamic alcohol para-tert-Butyl-alpha-methylhydrocinnamic aldehyde (BMHCA) 3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde (HMPCC)
- 4 - 38th Amendment	April 6, 2004	Benzene Benzyl cyanide Birch wood pyrolysate Cade oil (Juniperus Oxycedrus L) Carvone oxide Cinnamic aldehyde 3,7-Dimethyl-2-octen-1-ol (6,7 Dihydrogeraniol) Diphenylamine Ethylene glycol monoethylether and its acetate Ethylene glycol monomethylether and its acetate Eugenol Hydroabietyl alcohol Isoeugenol Isophorone Linalool Toluene
- 5 - 39th Amendment	April 12, 2005	Methyl-beta-naphthyl-ketone Moskene Musk tibetene Sclareol 5-Acetyl-112336-hexamethyl indan (AHMI) – <i>New format</i> Allyl heptene carbonate – <i>New format</i> Amylcyclopentenone – <i>New format</i> Angelica Root Oil – <i>New format</i> Cumin Oil – <i>New format</i> trans-2-Hexenal – <i>New format</i> Hydroxycitronellal – <i>New format</i> Isocyclogeraniol – <i>New format</i> Menthadienyl formate – <i>New format</i> 2-Methoxy-4-methylphenol – <i>New format</i> Methyl heptene carbonate – <i>New format</i> Methyl N-methylantranilate – <i>New format</i> p-Methylhydrocinnamic aldehyde – <i>New format</i> Tagetes – <i>New format</i>

<p>- 6 - 40th Amendment</p>	<p>May 11, 2006</p>	<p><i>New and revised Standards</i> Cinnamic aldehyde Citral (QRA) Eugenol Farnesol (QRA) trans-2-Hexenal Methyl N-methylantranilate Nootkatone Phenylacetaldehyde (QRA) Tea leaf (camellia sinensis) absolute (QRA) Santolina oil</p> <p><i>New format (no change to the recommendation – prohibited)</i> Acetyl ethyl tetramethyl tetralin (AETT, Versalide) Acetyl isovaleryl (5-Methyl-2,3-hexanedione) Alantroot oil Anisylidene acetone (4-(p-methoxyphenyl)-3-butene-2-one) Benzylidene acetone (4-Phenyl-3-buten-2-one) p-tert-Butylphenol Colophony Costus root oil, absolute and concrete Diethyl maleate Dihydrocoumarin (Melilotine) 2,4-Dihydroxy-3-methylbenzaldehyde 4,6-Dimethyl-8-tert-butylcoumarin (Butolia) Dimethyl citraconate Ethyl acrylate Fig leaf absolute trans-2-Heptenal Hexahydrocoumarin trans-2-Hexenal diethyl acetal trans-2-Hexenal dimethyl acetal Hydroquinone monoethyl ether (4-ethoxy-Phenol) Hydroquinone monomethyl ether (4-methoxy-Phenol) 6-Isopropyl-2-decalol (Decatol) alpha-Methyl anisylidene acetone 6-Methylcoumarin (Toncarine) 7-Methylcoumarin Methyl crotonate 4-Methyl-7-ethoxycoumarin (Maraniol) Musk ambrette Nitrobenzene 2-Pentylidene cyclohexanone Pseudoionone (2,6-Dimethylundeca-2,6,8-trien-10-one) Pseudomethylionone (7,11-Dimethyl-4,6,10-dodecatrien-3-one) Verbena Oil</p>
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