

IFRA Grapefruit

A. This material complies with the regulation (EC) no.1223/2009 on cosmetic products? Yes **x** No

- Annex II (prohibited) compounds: not added
- Annex III (restricted) compounds: see lists below
- Annex IV (colorants), V (preservatives), VI (UV filters) compounds: not added

B. This material complies with the most current IFRA Guidelines? (IFRA 48) Yes **x** No

According to the IFRA 48th amendment, please complete the tables below:

Please note that materials specifically addressed in the IFRA 48th amendment or in the updated Annex 1 tables are bolded:

EU Fragrance Allergens

Ingredient Name	% Direct (added as such)	% from Naturals	% Impurities (from synthetics)	% Total
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (Trimofix O, Fixamber) (144020-22-4)(28371-99-5)				
alpha-Amyl Cinnamic Aldehyde (122-40-7)				
alpha-Amyl Cinnamic Alcohol (101-85-9)				
Anisyl Alcohol (105-13-5)				
Benzyl Alcohol 100-51-6)				
Benzyl Benzoate (120-51-4)				
Benzyl Cinnamate (103-41-3)				
Benzyl Salicylate (118-58-1)				
3-(m-tert-Butylphenyl)-2-methylpropionaldehyde (m-BMHCA) (62518-65-4)				
Cinnamic Alcohol (104-54-1)				
Cinnamic Aldehyde (104-55-2)				
Citral (mixture of neral + geranial) (5392-40-5)				Around 0,50
Citronellol (106-22-9)				
Coumarin (91-64-5)				
6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone (DPMI) (33704-61-9)				
Eugenol (97-53-0)				
Farnesol (4602-84-0)				
gamma-Methyl Ionone (127-51-5)				
Geraniol (106-24-1)				traces
Hexyl Cinnamic Aldehyde (101-86-0)				
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (31906-04-4)				
Hydroxycitronellal (107-75-5)				
Iso Eugenol (97-54-1)				
Butylphenyl Methylpropional (80-54-6)				
Limonene (5989-27-5)/(138-86-3)/(5989-54-8)				Around 96
Linalool (78-70-6)				Around 0,15
Methyl Heptine Carbonate (111-12-6)				
Oakmoss (68917-10-2/90028-68-5)				
Treemoss (68648-41-9 90028-67-4)				

IFRA 48th Amendment restricted substances (other than allergens)

Name	CAS	% Direct (added as such)	% from Naturals	% Impurities (from synthetics)	% Total
Allyl esters					
AHMI (Phantolide)	15323-35-0				
Allyl Phenoxyacetate	7493-74-5				
Benzaldehyde	100-52-7				
Benzenepropanal, 4-methoxy-alpha-methyl	5462-06-6				
Benzyl cyanide	140-29-4				
Bourgeonal	18127-01-0				
Alpha Butyl cinnamaldehyde	7492-44-6				
Carvone	99-49-0				
Cinnamic aldehyde dimethyl acetal	4364-06-1				
Cinnamyl nitrile	4360-47-8				
Cis/trans asarone	5273-86-9 / 2883-98-9				
Creosol	93-51-6				
Cuminaldehyde	122-03-02				
Cyclamen alcohol	4756-19-8				
Cyclamen aldehyde	103-95-7				
Cyclopentadecanolide	106-02-05				
Damascenone	23696-85-7				
Damascone alpha	43052-87-5				
Damascone beta	23726-92-3, 23726-91-2				
Damascone delta	57378-68-4				
Damascone gamma	35087-49-1				
Damascone Iso	39872-57-6, 33673-71-1, 70266-48-7				
Dihydrocoumarin	119-84-6				
Dibenzyl ether	103-50-4				
Dimethylcyclohex-3-ene-1-carboxaldehyde (mixed isomers)	68737-61-1, 68039-49-6, 68039-48-5, 27939-60-2, 67801-65-4				
Dimethylcyclohexenepentenone (Dynascone/Galbascone)	56973-85-4				
Dihydrosafrol	94-58-6				
Dimethyl anthranilate	85-91-6				
Estragole	140-67-0				
2-Ethoxy-4-methylphenol	2563-07-7				
p-Ethylbenzaldehyde	4748-78-1				
Furfural	98-01-1				
Helional (alpha-Methyl-1,3-benzodioxole-5-propionaldehyde)(MMDHCA)	1205-17-0				
2-Heptylidene cyclopentan-1-one	39189-74-7				
trans-2-Hexenal	6728-26-3				
Hexyl salicylate	6259-76-3				
Hexylidene cyclopentanone	17373-89-6				
Iso E super	54464-57-2				
Isobergamate	68683-20-5				
Isobutyl N-methylantranilate	65505-24-0				
p-Isobutyl-alpha-methyl Hydrocinnamal	6658-48-6				
Isocyclocitral	1335-66-6				
Isocyclogeraniol	68527-77-5				
Isosafrol	120-58-1				
Majantol	103694-68-4				
p-Methoxybenzaldehyde	123-11-5				
ortho-Methoxycinnamaldehyde	1504-74-1				

7-Methoxycoumarin	531-59-9				
Scentenal	86803-90-9				
Methyl beta naphthyl ketone	93-08-3				
Methyl cinnamic aldehyde	101-39-3				
Methyl eugenol	93-15-2				
Methyl heptadienone	1604-28-0				
Methyl ionones, mixed isomers	1335-46-2				
Methyl octine carbonate	111-80-8				
3-Methyl-2-(pentyloxy)cyclopent-2-en-1-one	68922-13-4				
p-Methyltetrahydroquinoline	91-61-2				
2-Nonyl-1-al dimethyl acetal	13257-44-8				
Nootkatone	4674-50-4				
1-Octen-3-yl acetate	2442-10-6				
1-(2,4,4,5,5-Pentamethyl-1-cyclopenten-1-yl)ethan-1-one	13144-88-2				
Perilla aldehyde	2111-75-3				
Phenyl acetaldehyde	122-78-1				
3-Phenylbutanal	16251-77-7				
2-Phenylpropionaldehyde	93-53-8				
Polynuclear Aromatic Hydrocarbons (PAHs)					
Propylidene phthalide	17369-59-4				
Pseudomethylionone	26651-96-7, 72968-25-3, 1117-41-5				
Pseudoionone	141-10-6				
Safranal	116-26-7				
Safrol	94-59-7				
Sclareol	515-03-7				
1,2,3,4-Tetrahydro-4-methylquinoline	19343-78-3				
o,m, p-Tolualdehydes and their mixtures	529-20-4, 620-23-5, 104-87-0, 1334-78-7				

IFRA 48th Amendment restricted naturals

Name	CAS	%	Name	CAS	%
Angelica root oil	8015-64-3		Opoponax	8021-36-1 9000-78-6	
Bergamot oil expressed	8007-75-8		Peru balsam ext. and distillates	8007-00-9	
Birch wood oil, distillates	8001-88-5 84012-15-7 85940-29-0 68917-50-0		Petitgrain Mandarin oil	8014-17-3	
Bitter orange peel oil expressed	68916-04-1 72968-50-4		Rue oil	8014-29-7 84929-47-5	
Cade oil, distillates	8013-10-3 90046-02-9		Savin oil, <i>Juniperus phoenicea</i> L.	8024-00-8	
Citrus Oils and other furocoumarines containing essential oils	Not available				
Cumin oil	8014-13-9		Styrax	8046-19-3 8024-01-9	
Grapefruit oil expressed	8016-20-4 90045-43-5		Tagetes oil and absolutes	91722-29-1 8016-84-0	
Jasmine Grandiflorum	8022-96-6 8024-43-9 90045-94-6 84776-64-7		Tea leaf absolute	84650-60-2	
Jasmin Sambac	91770-14-8		Verbena absolute	8024-12-2	
Lemon oil cold pressed	8008-56-8 84929-31-7		Vetiver oil acetylated (Vetiveryl Acetate)	117-98-6 84082-84-8 72230-87-6 84082-84-8	
Lime oil expressed	8008-26-2 90063-52-8		Ylang ylang	8006-81-3 68606-83-7 83863-30-3	
Melissa oil (geniune Melissa officinalis L.)	8014-71-9 84082-61-1				

IFRA 48th Amendment prohibited materials

To the best of our knowledge, this product does not contain any material prohibited or not recommended by IFRA up to and including the 48th amendment

List of materials either prohibited or not “recommended for use” up to and including the 48th amendment

Acetyl ethyl tetramethyl tetralin (AETT, Versalide)	88-29-9	2,4-Heptadienal	5190-85-0
Acetyl isovaleryl (5-Methyl-2,3-hexanedione)	13706-86-0	trans, trans, 2,4-Heptadienal	4313-03-5
Allantroot oil (Elecampane oil)	97676-35-2	trans-2-Heptenal	18829-55-5
Allyl heptin carbonate	73157-43-4	2,4 Hexadienal	80466-34-8
Allylthiocyanate	57-06-7	trans, trans, 2,4 Hexadienal	142-83-6
Amyl cyclopentenone	25564-22-1	trans, cis, 2,4 Hexadienal	53398-76-8
		2,4-Hexadien-1-ol	111-28-4
Anisylidene acetone (4-(4-methoxyphenyl)-3-buten-2-one)	943-88-4	Hexahydrocoumarin	700-82-3
cis-beta Asarone ((Z)-2,4,5-Trimethoxypropen-1-yl benzene)	5273-86-9	trans-2-Hexenal diethyl acetal	67746-30-9
trans Asarone ((E)-1,2,4-trimethoxy-5-prop-1-enylbenzene)	2883-98-9	trans-2-Hexenal dimethyl acetal	18318-83-7
Benzene (directly added, not indirectly added from naturals or as synthetic impurity)	71-43-2	Hydroabietyl alcohol (Abitol)	13393-93-6
Benzyl cyanide (directly added, not indirectly added from naturals)	140-29-4	Hydroabietyl alcohol (Abitol)	1333-89-7
Benzylidene acetone (4-Phenyl-3-buten-2-one)	122-57-6	Hydroquinone monoethylether (4-Ethoxy phenol)	622-62-8
Birch wood (bark) pyrolysates (oils), crudes (not rectified or distilled)	8001-88-5	Hydroquinone monomethylether (4-Methoxy phenol)	150-76-5
Birch wood (bark) pyrolysates (oils), crudes (not rectified or distilled)	85940-29-0	Isophorone	78-59-1
Birch wood (bark) pyrolysates (oils), crudes(not rectified or distilled)	84012-15-7	6-Isopropyl-2-decalol	34131-99-2
Boldo leaf oil	8022-81-9	Massoia bark oil	85085-26-3
Boldo leaf oil	84649-96-7	Massoia lactone	54814-64-1
3-Bromo-1,7,7-trimethylbicyclo[2.2.1]heptane-2-one	76-29-9	7-Methoxycoumarin (directly added, not indirectly added from naturals)	531-59-9
Bromstryene	103-64-0	alpha-Methyl anisylidene acetone (1-(4-Methoxyphenyl)-1-penten-3-one)	104-27-8
p-tert-Butylphenol	98-54-4	6-Methyl coumarin (Toncarine)	92-48-8
Cade oils, crude (not rectified or distilled)	8013-10-3	7-Methyl coumarin	2445-83-2
Cade oils, crude(not rectified or distilled)	90046-02-9	Methyl crotonate	623-43-8
Carvone oxide	33204-74-9	4-Methyl-7-ethoxycoumarin (Maraniol)	87-05-8
Chenopodium oil	8006-99-3	Methyl methacrylate	80-62-6
Chenopodium oil	89997-47-7	3-Methyl-2 (3)-nonenenitrile	53153-66-5
Cinnamylidene acetone	4173-44-8	Moskene	116-66-5
Colophony	8050-09-7	Musk ambrette	83-66-9
Costus root oil, absolute and concrete	8023-88-9	Musk tibetine	145-39-1
Costus root oil, absolute and concrete	90106-55-1	Musk xylol	81-15-2
Cyclamen alcohol (3-(4-Isopropylphenyl)-2-methylpropanol)	4756-19-8	Nitrobenzene	98-95-3
2,4-Decadienal	2363-88-4	2,4-Nonadienal	6750-03-4
trans, trans, 2,4-Decadienal	25152-84-5	trans, trans, 2,4-Nonadienal	5910-87-2
1,3-Dibromo-2-methoxy-4-methyl-5-nitrobenzene (Musk KS)	62265-99-0	2,4-Octadienal, trans, trans	30361-28-5
1,3-Dibromo-4-methoxy-2-methyl-5-nitrobenzene (Musk alpha)	No CAS	2,4-Pentadienal	764-40-9
2,2-Dichloro-1-methylcyclopropylbenzene	3591-42-2	Pentylidene cyclohexanone	25677-40-1
Diethyl maleate	141-05-9	Peru balsam (exudation from Myroxylon pereirae (Royle) Klotzsch) (not extract or rectified or distilled)	8007-00-9
Dihydroabietyl alcohol	26266-77-3	Phenyl acetone (Methyl benzyl ketone)	103-79-7
		Phenyl benzoate	93-99-2
2,4-Dihydroxy-3-methyl-benzaldehyde	6248-20-0	Pseudoionone (2,6-Dimethylundeca-2,6,8-trien-1-one)	141-10-6
4,6-Dimethyl-8-t-butyl coumarin (Butolia)	17874-34-9	Pseudomethylionones	26651-96-7
Dimethyl citraconate (cis-Methylbutenedioic acid, dimethyl ester)	617-54-9	Pseudomethylionones	72968-25-3
3,7-Dimethyl-2-octen-1-ol (6,7-Dihydrogeraniol)	40607-48-5	Pseudomethylionones	1117-41-5
Diphenyl amine	122-39-4	Quinoline	91-22-5
2,4-Dodecadienal, trans, trans	21662-16-	Safrole, , (directly added, not indirectly added from naturals)	94-59-7
2,4-Dodecadien-1-ol, (2E, 4E)	18485-38-6		
Esters of 2-nonynoic acid, except methyl octine carbonate	Various	Isosafrole (directly added, not indirectly added from naturals)	120-58-1
Esters of 2-octynoic acid, except methyl and allyl heptene carbonate	140-88-5	Dihydrosafrole (directly added, not indirectly added from naturals)	94-58-6
Ethyl acrylate	110-80-5	Santolina oil	84961-58-0
Ethylene glycol monoethyl ether	111-15-9	Savin Oil (Juniperus savina L.)	8024-00-8
Ethylene glycol monoethyl ether acetate	109-86-4	Styrax gums, crude (not extract or rectified or distilled)	8024-01-9
Ethylene glycol monomethyl ether	110-49-6	Styrax gums, crude (not extract or rectified or distilled)	8046-19-3
Ethylene glycol monomethyl ether acetate	68916-52-9	Styrax gums, crude (not extract or rectified or distilled)	94891-27-7
Fig leaf absolute	90028-74-3	Styrax gums, crude (not extract or rectified or distilled)	94891-28-8
Fig leaf absolute		Toluene (directly added, not indirectly added from naturals or as synthetic impurity)	108-88-3
		2,4-Undecadienal	13162-46-4
Furfuryl alcohol	98-00-0	trans, trans, 2,4-Undecadienal	30361-29-6
Furfurylideneacetone	623-15-4	Verbena oil	8024-12-2
	5146-66-7, 5585-39-7, 31983-27-4		
Geranyl nitrile		Verbena oil	85116-63-8

The information provided in this document is correct to the best of our knowledge and belief at the state of its application (texts, literature, etc..)

It is the ultimate responsibility of our customer to ensure the safety of the final products by further testing if need be.