



IFRA Allergen Statement

Product Name	Citronella (Java)
Botanical Name	Cymbopogon winterianus
Country of Origin	Indonesia

COSMETIC ALLERGENS			
Allergen	Cas #:	Allergen Inclusion (%)	Guidance Notes
Linalool	78-70-6	0.9%	Limit peroxide level to 20 mmol/l. Linalool and natural products known to be rich in linalool should only be used when the level of peroxides is kept to the lowest practical level. It is recommended to add antioxidants at the time of production of the raw material. The addition of 0.1% BHT or alpha-tocopherol for example has shown great efficiency.
Limonene	138-86-3	4.1%	Limit peroxide level to 20 mmol/l. Limonene and natural products known to be rich in limonene should only be used when the level of peroxides is kept to the lowest practical level. It is recommended to add antioxidants at the time of production of the raw material. The addition of 0.1% BHT or alpha-tocopherol for example has shown great efficiency.
Geraniol	106-24-1	23%	Category 1 0.3 % See Note *** (1) Category 2 0.4 % Category 3 1.8 % Category 4 5.3 % Category 5 2.8 % Category 6 8.6 %

			<p>Category 7 0.9 % Category 8 2.0 % Category 9 5.0 % Category 10 2.5 % Category 11 See Note *** (2) ***(1) IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavor Industry). Further information about IOFI can be found on its website (http://www.iofiorg.org) ***(2) Category 11 includes all non-skin contact or incidental skin contact products. Due to the negligible skin contact from these types of products there is no justification for a restriction of the concentration of this fragrance ingredient in the finished product</p>
Euganol	97-53-0	1.5%	<p>Category 1 0.45 % Category 2 0.14 % Category 3 1.4 % Category 4 2.5 % Category 5A 0.64 % Category 5B 0.64 % Category 5C 0.64 % Category 5D 0.21 % Category 6 0.64 % Category 7A 1.4 % Category 7B 1.4 % Category 8 0.21 % Category 9 4.9 % Category 10A 4.9 % Category 10B 18 % Category 11A 0.21 % Category 11B 0.21 % Category 12 No Restriction Due to the possible ingestion of small amounts of fragrance ingredients from</p>

			<p>their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org).</p>
Methyl euganol	93-15-2	0.1%	<p>This is a standard 49 amendment. The amounts apply to the supply of fragrance mixtures (formulae) only, not to the finished consumer products in the marketplace.</p> <p>Category 1 0.00058 % Category 2 0.0023 % Category 3 0.00029 % Category 4 0.016 % Category 5A 0.0020 % Category 5B 0.00058 % Category 5C 0.00058 % Category 5D 0.00019 % Category 6 0.0014 % Category 7A 0.00058 % Category 7B 0.00058 % Category 8 0.00019 % Category 9 0.00087 % Category 10A 0.00087 % Category 10B 0.0032 % Category 11A 0.00019 % Category 11B 0.00019 % Category 12 0.097 %</p>
Notes:			<p>(1) IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavor Industry - www.iofiorg.org)</p> <p>(2) Category 11 includes all non-skin contact or incidental skin contact</p>

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Additional comments: Tisserand and Young cite comments made by IFRA in their 2013 volume of Essential oil Safety for Health Professionals, with specific reference to citronella oil.

They give differing opinions of guidelines, based on thoughts about methyl eugenol content, as follows

EU 0.01% IFRA 0.02% Tisserand & Young No limit

However, IFRA's 49th amendment concerning methyl euganol is later (2020), and perhaps should be seen as superseding that.

They also quote the maximum dermal use level (based on geraniol content) as follows:

EU No legal limit IFRA 18.2% Tisserand & Young 18.2%

FOOD ALLERGENS				
Ref #	Allergen	In Product?	Contamination?	In Factory?
1	Cereals (Inc. Gluten)	No	No	Yes
2	Crustaceans	No	No	No
3	Eggs	No	No	No
4	Fish	No	No	No
5	Peanuts	No	No	Yes
6	Soya	No	No	Yes
7	Milk	No	No	Yes
8	Nuts	No	No	Yes
9	Celery & Celeriac	No	No	Yes
10	Mustard	No	No	Yes
11	Sesame	No	No	Yes

12	Sulphur Dioxide & Sulphites	No	No	No
13	Lupin	No	No	No
14	Mollusc	No	No	No

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