

Date issued: September 22nd, 2023

Re: Cosmetic Fragrance Allergens

Product: 480, ROSE OXIDE, Lot # 2023205-0012

Quantitative analysis has been performed for ROSE OXIDE (BRI 480) using test method LA-GC-604.05 GC-MS after extraction for 64 fragrance allergens (and isomers) with specifications from 1-10 mg/kg(ppm) for each named allergen.

The material itself has correlation or relation to the following fragrance allergens : Terpinolene (CAS#586-62-9) and alpha-Terpinene (CAS#99-86-5). Although found to be present as manufacturing impurities in the tested material, Bedoukian QC will monitor and limit these impurities to a maximum content of 0.060% (600ppm) and 0.020% (200 ppm) respectively, in each manufactured lot.

Allergen	CAS Number	Quantity Detected	Unit of Measure
Terpineol alpha	98-55-5	<5	mg/kg
Acetylcedrene	32388-55-9	<5	mg/kg
Amyl cinnamal	122-40-7	<5	mg/kg
Amyl Salicylate	2050-08-0	<5	mg/kg
Amylcinnamyl alcohol	101-85-9	<5	mg/kg
trans-Anethole	4180-23-8	<5	mg/kg
Anise Alcohol	105-13-5	<5	mg/kg
Benzaldehyde	100-52-7	<5	mg/kg
Benzylalcohol	100-51-6	<5	mg/kg
Benzylbenzoate	120-51-4	<5	mg/kg
Benzylcinnamate	103-41-3	<5	mg/kg
Benzylsalicylate	118-58-1	<5	mg/kg
Butylphenyl Methylpropional	80-54-6	<5	mg/kg
Camphor	76-22-2	<5	mg/kg
beta-caryophyllene	87-44-5	<5	mg/kg
Carvone	99-49-0	<5	mg/kg
Cinnamal	104-55-2	<5	mg/kg



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Cinnamyl alcohol	104-54-1	<5	mg/kg
Citral	5392-40-5	<5	mg/kg
Citronellol	106-22-9	<5	mg/kg
Coumarin	91-64-5	<5	mg/kg
Rose Ketone-4	23696-85-7	<5	mg/kg
Damascone alpha	43052-87-5	<5	mg/kg
Damascone beta (E)	23726-91-2	<5	mg/kg
delta-Damascone 5	57378-68-4	<5	mg/kg
Dimethylbenzyl carbinyl acetate (DMBCA)	151-05-3	<5	mg/kg
Eugenol	97-53-0	<5	mg/kg
Farnesol	4602-84-0	<5	mg/kg
Geraniol	106-24-1	<5	mg/kg
Hexadecanolactone	109-29-5	<5	mg/kg
Hexamethylindanopyran	1222-05-5	<5	mg/kg
Hexylcinnamal	101-86-0	<5	mg/kg
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4 51414-25-6	<5	mg/kg
Hydroxycitronellal	107-75-5	<5	mg/kg
Isoeugenol	97-54-1	<5	mg/kg
Alpha-Isomethyl Ionone	127-51-5	<5	mg/kg
Limonene	5989-27-5	<5	mg/kg
Linalool (major form)	78-70-6	<5	mg/kg
Menthol	89-78-1	<5	mg/kg
Methyl 2-Octynoate	111-12-6	<5	mg/kg
Methyl salicylate	119-36-8	<5	mg/kg
3-Methyl-5-(2,2,3-Trimethyl-3-cyclopentenyl)pent-4-en-2-ol	67801-20-1	<5	mg/kg
alpha-Pinene	80-56-8	<5	mg/kg
beta-Pinene	127-91-3	<5	mg/kg
Propylidene phthalide	17369-59-4	<5	mg/kg
Salicylaldehyde	90-02-8	<5	mg/kg
Sclareol	515-03-7	<5	mg/kg
Terpineol (mixture of isomers)	98-55-5 586-81-2	<5	mg/kg

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	138-87-4 7299-41-4		
alpha-Terpinene	99-86-5	67	mg/kg
Terpinolene	586-62-9	54	mg/kg
Tetramethyl acetyloctahydronaphthalenes	68155-66-8 54464-57-2 68155-67-9	<5	mg/kg
Majantol	103694-68-4	<5	mg/kg
Vanillin	121-33-5	<5	mg/kg
Linalyl acetate	115-95-7	<5	mg/kg
Eugenyl acetate	93-28-7	<5	mg/kg
Isoeugenyl acetate	93-29-8	<5	mg/kg
Geranyl acetate	105-87-3	<5	mg/kg
Santolol	11031-45-1	<5	mg/kg
Evernia Furfuracea Extract	90028-67-4	<10	mg/kg
Evernia Prunastri Extract	90028-68-5	<10	mg/kg
Atranol	526-37-4	<5	mg/kg
Chloratranol	57074-21-2	<5	mg/kg
Methyl Eugenol	93-15-2	<1	mg/kg
6-Methylcumarin / 7-Methylcumarin Summed	92-48-8 / 2445-83-2	<5	mg/kg

Based on our manufacturing knowledge process and these testing results, we expect Terpinolene and alpha-Terpinene to be present and limited to the specifications noted above.

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