

Date issued: July 12th, 2023

Re: Cosmetic Fragrance Allergens

Product: 460, delta-NONALACTONE FCC, Lot 2023067-0045

Quantitative analysis has been performed for delta-NONALACTONE FCC (BRI 460) using EN 16274:2021 (SCCS/1459/11) on the July 12th, 2023 for 57 fragrance allergens (and isomers) with specifications at 20 mg/kg(ppm) for each named allergen.

The material itself has no correlation or relation to the listed 57 fragrance allergens defined in the table below.

Allergen	CAS Number	Quantity Detected	Unit of Measure
Terpineol alpha	98-55-5	<20	mg/kg
Acetylcedrene	32388-55-9	<20	mg/kg
Amyl cinnamal	122-40-7	<20	mg/kg
Amyl Salicylate	2050-08-0	<20	mg/kg
Amylcinnamyl alcohol	184900-07-0	<20	mg/kg
trans-Anethole	4180-23-8	<20	mg/kg
Anise Alcohol	105-13-5	<20	mg/kg
Benzaldehyde	100-52-7	<20	mg/kg
Benzylalcohol	100-51-6	<20	mg/kg
Benzylbenzoate	120-51-4	<20	mg/kg
Benzylcinnamate	103-41-3	<20	mg/kg
Benzylsalicylate	118-58-1	<20	mg/kg
Butylphenyl Methylpropional	80-54-6	<20	mg/kg
Camphor	76-22-2	<20	mg/kg
beta-caryophyllene	87-44-5	<20	mg/kg
Carvone	99-49-0	<20	mg/kg
Cinnamal	104-55-2	<20	mg/kg



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

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	138-87-4 7299-41-4		
alpha-Terpinene	99-86-5	<20	mg/kg
Terpinolene	586-62-9	<20	mg/kg
	68155-66-8 54464-57-2		
Tetramethyl acetyloctahydronaphthalenes	68155-67-9	<20	mg/kg
Majantol	103694-68-4	<20	mg/kg
Vanillin	121-33-5	<20	mg/kg
Linalyl acetate	115-95-7	<20	mg/kg
Eugenyl acetate	93-28-7	<20	mg/kg
Isoeugenyl acetate	93-29-8	<20	mg/kg
Geranyl acetate	105-87-3	<20	mg/kg
(Z) alpha-santalol	115-71-9	<20	mg/kg
(Z) beta-santalol	77-42-9	<20	mg/kg

Based on our manufacturing knowledge of the material and process and these testing results, we do not expect the materials above to be present in the manufactured product.

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