

Date issued: June 26th, 2023

Re: Cosmetic Fragrance Allergens

Product: 410 APRITONE, Lot 2023059-0005

Quantitative analysis has been performed on April 20<sup>th</sup> 2023 for APRITONE (BRI 410) using EN 16274:2021 (SCCS/1459/11) 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 below with the exception of Damascone beta (E) (CAS 23726-91-2), Linalool (major form) (CAS 78-70-6) and Geraniol (CAS106-24-1).

282 ppm Damascone beta (E) was reported to be present in the tested material and is known to be present at a maximum content of up to 0.05% or 500 ppm in each released lot.

Linalool (major form) and Geraniol were less than the detection limit (<20 mg/kg) in the tested material but are known manufacturing impurities that can be found up to 50 ppm ( 0.005% ) and up to 60 ppm (0.006%) respectively.

| 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           |



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|                                              |                          |     |       |
|----------------------------------------------|--------------------------|-----|-------|
| 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 |
| 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               | 282 | mg/kg |
| delta-Damascone 5                            | 57378-68-4               | <20 | mg/kg |
| Dimethylbenzyl carbonyl 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<br>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 |

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|                                                            |             |     |       |
|------------------------------------------------------------|-------------|-----|-------|
| 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     | <20 | mg/kg |
|                                                            | 586-81-2    |     |       |
|                                                            | 138-87-4    |     |       |
|                                                            | 7299-41-4   |     |       |
| alpha-Terpinene                                            | 99-86-5     | <20 | mg/kg |
| Terpinolene                                                | 586-62-9    | <20 | mg/kg |
| Tetramethyl acetyloctahydronaphthalenes                    | 68155-66-8  | <20 | mg/kg |
|                                                            | 54464-57-2  |     |       |
|                                                            | 68155-67-9  |     |       |
| 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 process and these testing results, we do not expect the material above to be present-with the exception of Damascone beta (E), Geraniol and Linalool as noted and controlled above.