



PRODUCT SPECIFICATION SHEET –BITTER ORANGE PEEL OIL

| GENERAL INFORMATION | | | |
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| INCI Name | Citrus aurantium var amara Oil | | |
| Botanical source | <u>Citrus Aurantium Amara</u> | | |
| Botanical family | Rutaceae | | |
| Description | The volatile oil obtained from the Peel of <u>Citrus Aurantium Amara</u> | | |
| Status | Conventional / Organic | | |
| Part of Plant Used | Fruits | | |
| Production Process | Steam Distillation | | |
| Origin | Egypt | | |
| Manufacture | Pure Essential Oils & Herbs Co. | | |
| REGULATORY INFORMATION | | | |
| FEMA | 2823 | EINECS | 277-143-2 |
| FDA | 182.2 | CAS EINECS | 72968-50-4 |
| CAS TCSA | 68916-04-1 | Product Code | PSD05700 |
| PHYSICAL PROPERTIES | | | |
| Appearance | Pale yellow to Dark Yellow liquid | | |
| Odour/taste | Orange Peel , Citrico , Fresco | | |
| Relative density @ 20°C | 0.8411 – 0.8561 | | |
| Refractive index @ 20°C | 1.4730 – 1.4750 | | |
| Optical Rotation @ 20°C | +88° to +97° | | |
| Solubility | Insoluble in Water , Soluble in alcohol and fixed oils | | |
| Flash point °C | >100 | | |
| Shelf Life | 24 Months | | |
| Uses | Aromatherapy , Pharmaceutical Industries | | |
| PRINCIPAL CHEMICAL CONSTITUENTS (by GC %): | | | |
| alpha pinene | less than 2% | β-pinene | 0.30-2.15 |
| Limonene | 85.0-96.00 | decanalX | 0.14-0.19 |
| Citral | trace to 0.25% | Linalyl acetate | 0.60-1.02 |
| Linalool | less than 2% | β-caryophyllene | 0.05-0.15 |
| Geranyl acetate | 0.10-0.25 | (E)-nerolidol | 0.06-0.18 |
| Germacrene-D | 0.08-0.18 | | |

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use

Disclaimer:

The information contained in this specification is based on data considered to be accurate and reliable as at the date of the specification to the best of the supplier's knowledge and belief. It is user's obligation to determine the safe use of the product for its own applications or suitability for use since the conditions of use, handling, storage and disposal are beyond the supplier's control. The user should therefore take all necessary precautions to ensure the safe and suitable use of the product described in the specification

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Manager Quality Control
Beni-Suef, Egypt.

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| Approved by: | QA MANAGER | Version: 03 | Date: 24.06.2020 |
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PURE ESSENTIAL OILS & HERBS CO.

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