

PRODUCT SPECIFICATION SHEET (PSS) – ORGANIC CHAMOMILE BLUE OIL

1) IDENTIFICATION OF THE PRODUCT

INCI Name	Matricaria chamomilla flower Oil
Botanical source	Steam distillation from the flowering tops of <i>Matricaria chamomilla</i> .
Product Code	PSD00800
Status	Organic
Part of Plant Used	Flowering tops
Production Process	Steam distillation
Manufacturer	Pure Essential Oils & Herbs Co.

REGULATORY INFORMATION

FEMA #	2273	EINECS #	282-006-5
FDA	182.20	CAS #	8002-66-2 ; 84082-60-0
WGK	2	IATA	Not regulated

CHEMICAL COMPONENT

	Range
<i>Alpha-farnesene</i>	10.0 – 20.0
<i>Alpha-bisabolol b</i>	5.0 – 10.0
<i>Chamazulene</i>	1.5 – 3.0
<i>Alpha-bisabolol a</i>	30.0 – 50.0
<i>Bicycloether (e) + (z)</i>	3.0 – 5.2

PHYSICAL PROPERTIES

	Specifications
1. Physical state	Blue green
2. Odor/taste	Honey, tobacco, sweet, fruity
3. Solubility in water	Insoluble
4. Solubility in Alcohol	Soluble
5. Refractive index @ 20°C	1.500 to 1.516
6. Relative Density @ 20°C	0.950 - 0.965
7. Optical Rotation (°)	+00 to +8.00
8. Flash point	>80°C

MICROBIAL ANALYSIS

	Specifications
Aerobic Bacterial Count	<100 cfu/g (ISO 21149)
Yeast and Mould	<10 cfu/g (ISO 16212)
Candida albicans	Absent/1g (ISO 18416)
Escherichia coli	Absent/1g (ISO 21150)

HEAVY METAL

	Specifications
Lead (Pb)	<10 ppm
Arsenic (As)	<2 ppm
Mercury (Hg)	<1 ppm

PACKAGING	
Bottles	30 ml, 60 ml, 120 ml
Cans	5 Kg, 10 Kg, 20Kg, 50kg and 100 kg
Drums	50, 180 and 200 kg

GMO free Statement:

Product is GMO free

Irradiation Statement:

To produce the product, no irradiated materials were used; product itself was also not irradiated.

Animal protection and Vegan Statement:

Product is purely vegetable origin and comes during its manufacture, storage and its transport with no animal materials in contact. Neither our product nor its ingredients have been tested on animals. Likewise, no animal testing will be undertaken at present and in future.

Sterility:

Product is free of *Candida albicans*, *Staphylococcus aureus* and *Pseudomonas aeruginosa* bacteria.

Allergen free:

Product contains no detectable amounts of proteins and consequently has no risk of allergens as defined by the food law. If allergens should be present, we will expressly point out.

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