



Certificate of Analysis

1) Product Identification

Product Name: Chamomile German Essential Oil
Botanical Name: Matricaria recutita
Country of Origin: Egypt
Cultivation Method: Conventional
Extraction Method: Steam Distilled
Plant Part: Flower Heads
Lot #: 1
Best by Date: April 2019

2) Physical and Chemical Properties

Appearance:	Dark blue viscous liquid.	Conforms
Odor:	Characteristic.	Conforms
Specific Gravity:	0.890 to 0.990 @ 20°C	Conforms
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Conforms

3) Gas Chromatography Analysis (Typical)

Components:

para-Cymene	0.11%	Germacrene D	3.16%
cis-beta-Ocimene	0.14%	beta-Selinene	0.22%
trans-beta-Ocimene	0.94%	Bicyclogermacrene	3.15%
gamma-Terpinene	0.51%	(E,E)-alpha-Farnesene	9.08%
delta-Elemene	0.20%	delta-Cadinene	0.15%
beta-Elemene	0.23%	alpha-Bisabolol oxide B	2.25%
alpha-Copaene	0.08%	alpha-Bisabolone oxide A	2.35%
beta-Maaliene	0.11%	Chamazulene	0.73%
alpha-Iscomene	0.44%	alpha-Bisabolol oxide A	10.3%
beta-Caryophyllene	0.29%	cis-en-yn-Bicycloether	4.77%
trans-beta-Farnesene	56.27%	trans-en-yn-Bicycloether	0.36%

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4) Storage Conditions

Store at temperature <math><30^{\circ}\text{C}</math> in closed containers and protected from direct sunlight.

5) Remarks

This Essential Oil is a 100% pure and natural product.
It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge.

6) Disclaimer

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