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CERTIFICATE OF ANALYSIS

Product: Tea Tree essential oil

INCI Name: Melaleuca Alternifolia Leaf oil

CAS No: 85085-48-9/68647-73-4 EINECS No: 285-377-1

Countries of Origin: China

Batch Code: 106895

Test	Specification	Result
Appearance	Liquid	Complies
Colour	Colourless to pale yellow	Complies
Odour	Camphoraceous	Complies
Specific Gravity at 20°C	0.885 – 0.906	0.8965
Refractive Index at 20°C	1.473 – 1.482	1.4762
Optical Rotation at 20°C	+5° to +15°	+5.74°
Flash point °C	56 – 59°C	59°C
Hydrocarbon content	50%	Complies
Auto Ignition temperature	269°C	Complies

Main Constituents	Range %	Result%
Terpinene-1-ol-4	> 30	41
α-terpinolene	1 – 5	2.5
1,8 cineole	< 15	1.6
p-mentha-1,4-diene	10 – 28	20.9
Globulol	< 1	n.d.
p-cymene	0.5 – 12	2.9
Aromadendrene	< 7	2.7
Viridiflorol	< 1	n.d.
A-Terpinene	5 – 13	10.2
A-pinene	1 – 6	4
Limonene	0.5 – 4	2.6
Sabinene	< 3.5	0.2

Product is produced by the steam distillation of the twigs and branches of Melaleuca alternifolia.

FEMA: 3902

Storage: Keep tightly closed, in a cool dry place away from heat, sunlight and moisture.

Manufacture Date: April 2019

Best Before: April 2021

Date Document Created: 18/07/2019

Revision Date: 05/08/2019 (Spec update)

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

Expiry date must be considered as subjective; the expiry date given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficiency of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.