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Certificate of Analysis

Product: Niaouli Essential Oil
 Botanical name: *Melaleuca quinquenervia*
 Batch number: N1706 BIO
 Country of Origin: Madagascar
 Date of MFG: 01-JUL-2018
 Re-test date: 01-JUL-2021

Parameters	Specification	Results
State	Liquid	Complies
Colour	Colourless to Pale Yellow	Complies
Odour	Characteristics; sweet camphor-like odour	Complies
Specific Gravity / (g/cm ³) @ 20°C	0.908 – 0.924	0.916
Refractive Index @ 20°C	1.466 – 1.472	Complies
Optical Rotation @ 20°C	-3.3 to +1.0	Complies
Constituents		
α-pinene	2.8 – 16.9	8.9
β-pinene	1.0 – 4.5	2.2
β-myrcene	0.1 – 2.1	1.1
Limonene	4.7 – 11.1	7.0
1,8 – cineole (eucalyptole)	50.0 – 71.1	60.0
γ-terpinene	0.2 – 7.4	1.5

Parameters	Specification	Results
α -terpineol	3.2 – 12.3	5.8
trans-nerolidol	Trace – 5.9	1.2
Ledol	0.1 – 1.7	0.6
Viridiflorol	1.5 – 7.2	3.9

Storage: Store in well-filled, tightly sealed containers, in a cool dry place, away from direct sunlight.

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