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Certificate of Analysis

Product: Litsea Cubeba Essential Oil
Botanical name: *Litsea cubeba*
INCI name: Litsea Cubeba Fruit Oil
CAS #: 68855-99-2 / 90063-59-5
Batch number: 20200824A
Origin: China
Manufacture date: 24 August 2020
Re-test date: 24 August 2022

Parameters	Specification	Results
Colour	Colorless or pale yellow	Pale yellow
Odour Description	Characteristic	Complies
Specific Gravity/(g/cm ³) @ 20 °C	0.880-0.905	0.8889
Refractive Index @ 20 °C	1.480-1.490	1.4837
Optical Rotation @ 20 °C	-10°-+10°	+6.23°
Content (aldehydes)	min74%	75.04%
GCMS		%
α-pinene		1.2348
α-Thujene		0.0075
Camphene		0.2965
β-pinene		0.7785
Sabinene		0.8793
δ-Carene		0.8782

Parameters	Specification	Results
β -Myrcene		1.4299
α -Phellandrene		0.0636
α -Terpinene		0.0643
Limonene		10.7139
1.8 Cineole		1.3732
β -Phellandrene		0.0324
Cis - β -Ocimene		0.0465
γ -Terpinene		0.0215
p-Cimene		0.0940
Methyl Heptenone		1.2856
Citronellal		1.4566
Epiphotocitral A		1.3155
Linalool		2.1583
Epiphotocitral B		0.5493
β -Cariophyllene		0.0640
E- β -Farnesene		0.7321
Neral		30.2998
Terpenyl Acetate		0.0659
Borneol		0.0869
Piperitone		0.0842
α -Terpineol		1.6306
Germacrene D		0.0659
α -Muurolene		0.0527
Geranial		38.0887
α -Farnesene		0.3097
Geranyl acetate		0.3297
Trans Isopiperitenol		0.1148

Parameters	Specification	Results
α -Panasinsen		0.0812
Geraniol		1.5253
Citronellol		1.1397
Methyl salicylate		0.1326
β -Sesquiphellandrene		0.1483
Perillaldehyde		0.0877

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

This is a computer generated certificate of analysis and does not require a signature.