



Certificate of Analysis

Date: January 25, 2024

Product: Cardamom Essential Oil

Lot/Batch Number: CARD230822

Manufacture Date: June 2023 Best Before: June 2025

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Mobile liquid, colourless to pale yellow	Complies
Odour	Characteristic sweet somewhat spicy odour	Complies
Solubility	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity @20°C	0.9170 – 0.9470	0.9264
Optical Rotation @20°C	+22° - +44°	27.75
Refractive Index @20°C	1.4620 - 1.4660	1.4635
Terpinyl Acetate %	35 – 48	41.95
1,8-cineole %	28 – 36	34.03

Storage and Handling: Shelf life is dependent on exposure to light/air and general good conditions. Products stored in adverse conditions will deteriorate faster. Products stored in ideal conditions away from light and moisture may last substantially longer. Retest date reflects absolute minimum period of time that product should remain in good useable condition.

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