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Certificate of Analysis

Product: Spearmint Essential Oil Botanical name: *Mentha spicata Linn*.

Syn. Mentha viridis

Lot number: ME SPM-1807075

Origin: India

Isuing date: 15-JUN-2018 Expiration date: 15-JUN-2021

Parameters	Specification	Results
Colour	Pale yellow to greenish yellow liquid	Conforms
Odour	Characteristic/Sweet carvonic odour	Conforms
Solubility	Freely soluble in ethanol (70%)	Conforms
Specific gravity (g/cm3) @ 25°C	0.910 - 0.930	0.921
Refractive index @ 25°C	1.480 – 1.490	1.487
Optical rotation @25°	-70° to -55°	-61.10°
Gas Chromatography (GC) Analysis (%)		
Limonene	15.0 to 25.0	20.43
L-Carvone	Min 60.0	61.85

Storage: Keep in tightly closed container in a cool and dry place, protected from

light.

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