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Certificate of Analysis

Product: Basil Essential Oil
 Botanical name: *Ocimum basilicum L.*
 Origin: India
 Batch (Lot) number: SA/S/16236
 Manufacture date: JULY-2020
 Re-test date: JULY-2023

Parameters	Specification	Results
Colour	Yellow to pale yellow liquid	Complies
Odor Description	Typical odor of Chavicol	Complies
Solubility	Soluble in 3.5 vol of 70% alcohol	Complies
Specific Gravity @ 25°C (g/cm ³)	0.905 – 0.960	0.9302
Refractive Index @ 20°C	1.4870 – 1.515	1.5009
Optical Rotation @ 25 °C	-15 ⁰ to 0 ⁰	-6.7 ⁰
Constituents by GC (%)		
α-pinene		0.10
β-pinene		0.08
Myrcene		0.16
Limonene		0.11
Eucalyptol		0.23
β-ocimene		0.15
Linalool oxide		0.12

Parameters	Specification	Results
Linalool	15 – 25 %	20.03
Isomenthone		0.04
Menthol		0.45
Methyl chavicol (Estragol)	65 – 75%	72.01
Nerol		0.07
Neral		0.57
Carvone		0.05
Geranial		0.71
Caryophyllene		0.67
α -cis-Bergamotene		0.53
β -farnesene		0.56
β -Cubebene		0.12
Germacrene D		0.19
Trans piperitol		0.23
Trans isopiperitol		0.21
Cis anetol		0.15
α -(Z)-Bisabolene		1.81
β -Bisabolene		0.12

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.