

Certificate of Analysis

Product: Lemongrass Cochin Oil
Botanical Name: *Cymbopogon flexuosus*
Batch Number: 1001264
Code: EOLGBULK
Origin: India
Plant part used: Grass leaves
Extraction method: Steam distilled

<u>Parameter</u>	<u>Specification²</u>	<u>Result</u>
Appearance:	Clear mobile liquid	Complies
Colour:	Deep yellow to orange-brown	Complies
Odour:	Fresh Grassy lemon	Complies
Physio-chemical properties		
Relative Density at 20°C:	0.8725 - 0.9100	0.8950
Refractive Index at 20°C:	1.4780 - 1.4936	1.4854
Optical Rotation:	-5.00° to +5.00°	-2.20°

Chromatographic Profile

Sample	Component	Specification ² (Peak Area ¹ (%))	Result (Peak Area (%))
<i>Cymbopogon flexuosus</i>	Aldehyde (measured as Citral= Neral + Geranial)	Min 70	73.07

Note (1) Analytical conditions: GC Column: Rxi-5SilMS, Length: 30.0m, Inside Diameter: 0.25mm, Thickness: 0.25µm

Mass Spectrometer: Detector Type: Quadrupole MS, Ion Source: EI, Ion Source Temp: 200.0°C
Oven Temp. Program(°C): 50.0 to 270.0, Temp Rate: 5.0

NOTE (2) Version (16/2/2011) Doc#102

Expiry Date: May 2015

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