

CERTIFICATE OF ANALYSIS

Product: **Citronella Oil (Java Type)**

Code: EOCITBULK

Batch Number: 185139

Botanical Name: *Cymbopogon nardus*

Appearance: Pale yellow to yellow brown liquid.

Odour: Strong odour of citronella

Physio Chemical Properties

Parameter Specification₁ Result

Refractive Index at 25°C: 1.4540 – 1.4730 1.4686

Specific Gravity at 23°C: 0.8500 – 0.8875 0.8817

Optical Rotation at 20°C: -4.0° - +2.0° -3.80

Main Constituents Sample	Component	Specification1 (%)	Result (%)
<i>Cymbopogon nardus</i>	Citronellal	28- 45	37.73
	Citronellol	8- 15	15.78
	Geraniol	15- 30	18.73

NOTE (1) Version (29/11/2010)

Helen Gollan

Quality Assurance Manager

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