

Certificate of Analysis

Name of Product: Lemongrass Flexuosus Essential Oil
Batch Number: BBB2466
INCI Name: Cymbopogon Flexuosus Herb Oil

Test	Standards/Methods	Results
Description	Clear mobile liquid	Complies
Colour	Yellow to brownish	Complies
Odour	Characteristic lemon like odour	Complies
Specific Gravity at 25°C	0.869 to 0.904	0.8925
Refractive Index at 20°C	1.469 to 1.500	1.4847
Optical Rotation at 20°C	-3° to +2°	-1.80°
Solubility of Fresh Oil in 70% Ethanol at 20°C	Solubility 1 + 3	Complies
Flashpoint	>71°C	Complies
Total Citral Content (by GC)	68 to 75%	73.16%
Storage	Do not store in close proximity to heat, sparks, open flames, strong acids and strong bases. To minimise product degradation, avoid prolonged exposure of the material to air. Keep container tightly closed when not in use. Mix well before use.	

Component Present	GC Value	Specification
Methyl Heptanone	1.27%	Stated not specified
Neral	31.35%	Total Citral = 68 to 75%
Geranial	41.81%	
Geraniol	7.25%	Stated not specified
Geranyl Acetate	3.64%	Stated not specified
Alpha Pinene	0.16%	Stated not specified
Camphene	0.90%	Stated not specified
Caryophyllene	1.73%	Stated not specified