

Certificate of Analysis

Product: Lemongrass Oil – BIO
Botanical Name: *Cymbopogon flexuosus (Nees ex Steud.) W. Watson*
Country of Origin: India

PHYSICAL AND CHEMICAL PROPERTIES

TEST	RESULT	SPECIFICATION
Specific Gravity @ 20° C	0.892	0.885 - 0.900
Refractive Index @ 20° C	1.487	1.482 - 1.492
Optical Rotation @ 20° C	+2°	-3° - 2°

GAS CHROMATOGRAPH ANALYSIS (TYPICAL)

CONSTITUENT	RESULT (%)	SPECIFICATION (%)
camphene	0.07	
myrcene	<0.05	
limonene	0.29	
methyl-6-hepten-5-one-2	0.30	
citronellal	0.43	
decanal	0.36	
linalol + cis isocitral	0.45	
trans isocitral	0.78	
terpinen-4-ol + β caryophyllene	0.89	
neral	35.34	60.00 – 86.00
geranial	46.45	
geranyl acetate	5.45	<=8.00
citronellol	0.89	
nerol	0.11	
geraniol	5.78	<=8.00
caryophyllene oxyde	0.08	
eugenol	0.08	