

# CERTIFICATE OF ANALYSIS

## Certified Organic Lemongrass Essential Oil



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### 1. PRODUCT IDENTIFICATION AND COMPOSITION

1.1 Product Name:	Certified Organic Lemongrass Essential Oil
1.2 Botanical Name:	<i>Cymbopogon flexuosus</i>
1.3 Product Code:	OCLEMOGRAS
1.4 Batch Number:	R3979107
1.5 Country of Origin:	Nepal
1.6 USA INCI Name:	Cymbopogon Flexuosus Oil
1.7 EU INCI Name:	Not Allocated

### 2. PHYSICAL AND CHEMICAL PROPERTIES

TEST	SPECIFICATION	RESULT
2.1 Appearance:	Clear pale yellow to amber mobile liquid	Conforms
2.2 Odour:	Characteristic, sweet, fresh, grassy lemon	Conforms
2.3 Specific Gravity:	0.870 to 0.905 @ 25°C	0.884
2.4 Refractive Index:	1.480 to 1.493 @ 25°C	1.481
2.5 Gas Chromatograph Analysis		
Tricyclene:		0.10%
α-Pinene:		0.16%
Camphene:		0.84%
6-Methylhept-5-En-2-One:		2.14%
Myrcene:		0.05%
Limonene:		0.33%
1,8-Cineole:		0.15%
cis-β-Ocimene:		0.36%
trans-β-Ocimene:		0.21%
4-Nonanone:		1.20%
Benzyl Alcohol:		0.15%
Linalool:		1.37%
1-Cyclohexene-1-Carboxaldehyde:		0.15%
3-Propyl Cyclohexene:		0.16%
2-Methyl-2-Octene:		0.32%
4,6-Dimethyl-2-Pyrimidinamine:		0.31%
Citronellal:		0.50%
Borneol:		0.17%
Adamantol:		0.21%
Ethenyl Cyclohexane:		2.56%
2-[2-Methyl-1-Propyl]-Hex-5-en-1-ol:		0.71%
Citronellol:		0.40%
n-Decanal:		0.25%
2-Methyl-Octa-1,7-dien-3-one:		0.32%
Neral:		30.76%
Geraniol:		7.58%
Geranial:		38.98%
Geranyl Propanoate:		3.63%
β-Caryophyllene		1.85%
iso-Eugenol:		0.34%
α-Humulene		0.26%
Germacrene D		0.22%
γ-Cadinene		1.44%
δ-Cadinene:		0.24%

# CERTIFICATE OF ANALYSIS

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### 3. ADDITIONAL INFORMATION

#### 3.1 DISCLAIMER

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