

Technical Data Sheet

Citronella Oil

Product Description:	The volatile oil is obtained by steam distillation from the partially wilted aerial parts of the <i>Cymbopogon winterianus</i> commonly called as Citronella grass (Java type).
Country of Origin:	Nepal
Botanical Name:	<i>Cymbopogon winterianus</i> Jowitt
Extract Method:	Steam Distillation
Plant Part Used:	Aerial parts

Specifications	
CAS NO.	8000-29-1
EINECS NO.	289-753-6
FEMA NO.	2308
NAFTA NO.	3301.29.6000
Appearance:	Fluid liquid
Color:	Light Yellow
Odor:	Fresh and sweet, lemon like essence
Refractive Index at 25°C:	1.461-1.488
Optical Rotation At 25°C:	(-) 2.15 - (-) 3.63
Specific Gravity At 25°C:	0.8720-0.8951
Flash Point:	79°C
Quality:	100% Pure & Natural
Solubility:	Soluble in alcohol and fixed oils but insoluble in water.
Acid Value:	0.5 - 3.5
Ester Value:	20 - 40
Ester Value after Acetylation	200 - 250

Chemical Data by GCMS	
Compounds Name	Percentage
Citronellal	25- 35 %
Citronellol	9 - 14%
Neral	7 - 10 %
Geraniol	35 - 42 %
Geranial	8 - 15 %

Expiration Date

Shelf Life: 5+ years under good storage conditions.

Store in a well-filled, airtight container at temperature below 18°C. Avoid direct sunlight & heat.