

## TECHNICAL DATA SHEET

**Sr. No. : UL3000015-V-04**
**Issue Date: 17/04/2023**

**QUALITY CONTROL :** We declare that certificate of analysis of this material is inspected according to quality parameters as below :

<b>Item Code</b>	<b>UL3000015</b>
<b>Item Name</b>	<b>CITRONELLA OIL</b>



Test Parameters	Specifications
<b>CAS #</b>	8000-29-1
<b>EINECS #</b>	294-954-7
<b>FEMA#</b>	2308
<b>Botanical Name</b>	Cymbopogon winterianus Jowitt
<b>Description</b>	Pale yellow to brown yellow mobile liquid with characteristic odor.
<b>Origin</b>	The essential oil is obtained by steam distillation from the leaves/ twig of Cymbopogon winterianus
<b>Appearance</b>	Pale yellow to brown yellow
<b>Physical Status</b>	Liquid
<b>Flash Point (Closed cup) °C</b>	79°C
<b>Refractive Index</b>	1.463 - 1.475 @20°C
<b>Relative Density</b>	0.881 - 0.895 @25°C
<b>Optical Rotation</b>	-4° to +1.5°
<b>Solubility in Alcohol</b>	Soluble
<b>Solubility in Water</b>	Insoluble
<b>Assay by GC</b>	Citronellal: 30 - 45% Limonene: 1 - 5% Citronellyl acetate: 1 - 4% Citronellol: 9 - 15% Geraniol: 20 - 30%
<b>Shelf Life</b>	12 months with proper storage conditions.
<b>Legislation</b>	Natural
<b>Stability</b>	Avoid strong acids strong bases & all oxidizing agents.
<b>Uses</b>	Fragrance and Flavour application.

<b>PACKING &amp; STORAGE</b>	Should be stored in cool, dry, well ventilated places in full, tightly sealed containers, protected from light & source of ignition.
<b>HANDLING PRECAUTION</b>	Handle in adequate ventilation, Avoid skin and eye contact, use goggles or face shield and wear protective clothing.

This is a system generated document hence need not be authenticated.

