

## TECHNICAL DATA SHEET

**Sr. No. : UL3000005-V-04**
**Issue Date: 20/03/2023**

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

<b>Item Code</b>	<b>UL3000005</b>
<b>Item Name</b>	<b>CLOVE BUD OIL</b>



Test Parameters	Specifications
<b>CAS #</b>	8000-34-8
<b>EINECS #</b>	284-638-7
<b>FEMA#</b>	2323
<b>Botanical Name</b>	Syzygium aromaticum
<b>Description</b>	Clear yellow liquid which becomes brown when exposed to air with characteristic odor
<b>Origin</b>	The essential oil is obtained by steam distillation from dried flower buds of Syzygium aromaticum
<b>Appearance</b>	Clear yellow liquid
<b>Physical Status</b>	Liquid
<b>Flash Point (Closed cup) °C</b>	116°C
<b>Refractive Index</b>	1.528 - 1.537 @20°C
<b>Relative Density</b>	1.030 - 1.063 @20°C
<b>Optical Rotation</b>	0° to -2°
<b>Solubility in Alcohol</b>	1:2 in 70% alcohol
<b>Solubility in Water</b>	Insoluble
<b>Assay by GC</b>	Acetylugenol: 4-15% <span style="float: right;">Eugenol: 75-88%</span> beta-Caryophyllene: 5-14%
<b>Shelf Life</b>	12 months under proper storage conditions
<b>Legislation</b>	Natural
<b>Stability</b>	Avoid strong acids strong bases & all oxidizing agents
<b>Uses</b>	Fragrance/flavour Application

<b>PACKING &amp; STORAGE</b>	Should be stored in a cool, dry well ventilated places in full tightly sealed containers protected from light.
<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.

