

## TECHNICAL DATA SHEET

**Sr. No. : UL1002749-V-04**
**Issue Date: 13/05/2023**

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

<b>Item Code</b>	<b>UL1002749</b>
<b>Item Name</b>	<b>CALAMUS OIL</b>



Test Parameters	Specifications
<b>CAS #</b>	8015-79-0
<b>EINECS #</b>	283-869-0
<b>Botanical Name</b>	Acorus calamus L.
<b>Description</b>	Yellow to Brownish Yellow liquid having fresh, sweet, citrus and herbal odour.
<b>Origin</b>	Calamus oil is volatile oil obtained by steam distillation from either fresh root or the unpeeled dried root.
<b>Appearance</b>	Yellow to Brownish Yellow
<b>Physical Status</b>	Liquid
<b>Flash Point (Closed cup) °C</b>	82°C
<b>Refractive Index</b>	1.540 - 1.550 @20°C
<b>Relative Density</b>	1.075 - 1.078 @25°C
<b>Optical Rotation</b>	+3° to inactive
<b>Solubility in Alcohol</b>	Soluble
<b>Solubility in Water</b>	Insoluble
<b>Assay by GC</b>	Beta-asarone: 80-95% <span style="float: right;">Alpha-asarone: 2-5%</span> Methyl isoeugenol: 0.5-1.5%
<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 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.

