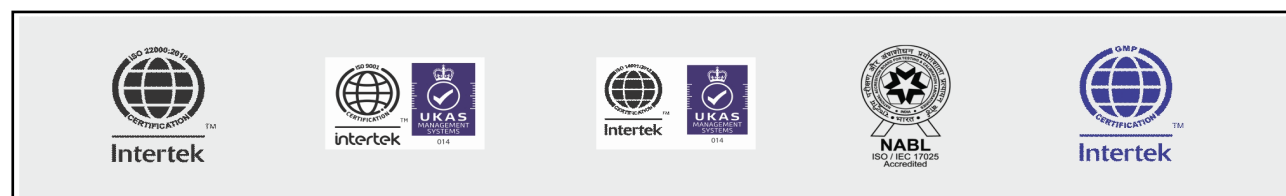


## TECHNICAL DATA SHEET

**Sr. No. : UL3000093-V-04**
**Issue Date: 17/02/2023**

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

<b>Item Code</b>	<b>UL3000093</b>
<b>Item Name</b>	<b>BERGAMOT OIL</b>



Test Parameters	Specifications						
<b>CAS #</b>	8007-75-8						
<b>EINECS #</b>	296-429-8						
<b>FEMA#</b>	2153						
<b>Botanical Name</b>	Citrus bergamia						
<b>Description</b>	Colourless to Pale Yellow mobile liquid.						
<b>Origin</b>	A volatile oil is obtained by the expression without the aid of heat from the fresh peel of the fruit of Citrus bergamia.						
<b>Appearance</b>	Colourless to Pale Yellow						
<b>Physical Status</b>	Liquid						
<b>Flash Point (Closed cup) °C</b>	59°C						
<b>Refractive Index</b>	1.459 - 1.469 @20°C						
<b>Relative Density</b>	0.862 - 0.872 @25°C						
<b>Optical Rotation</b>	+20° to +40°						
<b>Solubility in Alcohol</b>	1:1 (v/v) in 85% alcohol						
<b>Solubility in Water</b>	Insoluble						
<b>Assay by GC</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Limonene: 30 - 45%</td> <td style="width: 50%;">Beta pinene: 5.5 - 9.5%</td> </tr> <tr> <td>Linalyl acetate: 22 - 36%</td> <td>Linalool: 3 - 15%</td> </tr> <tr> <td>Gamma terpinene: 6 - 10%</td> <td></td> </tr> </table>	Limonene: 30 - 45%	Beta pinene: 5.5 - 9.5%	Linalyl acetate: 22 - 36%	Linalool: 3 - 15%	Gamma terpinene: 6 - 10%	
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Linalyl acetate: 22 - 36%	Linalool: 3 - 15%						
Gamma terpinene: 6 - 10%							
<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.

