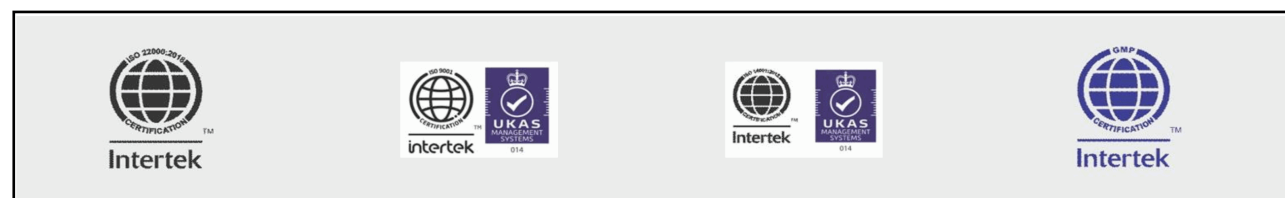


## TECHNICAL DATA SHEET

**Sr. No. : UL3000111-V-04**
**Issue Date: 26/04/2023**
**QUALITY CONTROL :** We declare that certificate of analysis of this material is inspected according to quality parameters as below :

<b>Item Code</b>	<b>UL3000111</b>
<b>Item Name</b>	<b>MENTHA ARVENSIS OIL</b>



Test Parameters	Specifications
<b>CAS #</b>	68917-18-0
<b>EINECS #</b>	290-058-5; 294-486-3
<b>FEMA#</b>	4219
<b>Botanical Name</b>	Mentha arvensis L.
<b>Description</b>	Water clear to Light Yellow with no visible water or foreign matter with characteristic odour.
<b>Origin</b>	This essential oil is obtained by the steam distillation from the herb of Mentha arvensis.
<b>Appearance</b>	Water Clear to Light Yellow
<b>Physical Status</b>	Liquid
<b>Flash Point (Closed cup) °C</b>	68°C
<b>Refractive Index</b>	1.458 - 1.465 @20°C
<b>Relative Density</b>	0.888 - 0.910 @25°C
<b>Optical Rotation</b>	-28° to -36°
<b>Solubility in Alcohol</b>	Soluble
<b>Solubility in Water</b>	Insoluble
<b>Assay by GC</b>	Menthone: 5-9% <span style="float: right;">Menthol: 70-75%</span> menthyl acetate: 1-3.8% <span style="float: right;">Isomenthone: 1.9-4.5%</span> Neo menthol: 0.9-2.5%
<b>Shelf Life</b>	12 months under proper storage conditions.
<b>Legislation</b>	Natural
<b>Stability</b>	Avoid strong acids strong bases and all oxidizing agents.
<b>Uses</b>	Fragrance and Flavour application.

<b>PACKING &amp; STORAGE</b>	Should be stored in a cool, dry well ventilated place in full tightly sealed containers protected from light.
<b>HANDLING PRECAUTION</b>	handle with adequate ventilation avoiding skin and eye contact. Use goggles or face shield safety gloves and wear protective clothing.

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

