

## TECHNICAL DATA SHEET AND CERTIFICATE OF ANALYSIS

<b>PRODUCT NAME</b>	<b>PEPPERMINT ESSENTIAL OIL ( MENTHA ARVENSIS)</b>
<b>BOTANICAL NAME</b>	<b>MENTHA ARVENSIS</b>
<b>_PRODUCT CODE</b>	<b>VOP-EXP-PAO-2026</b>
<b>CAS NO#</b>	<b>8006-90-4</b>
<b>ORIGIN</b>	<b>INDIA</b>
<b>LOT NO</b>	<b>MARCH-2026 (PA) SIZE 2600 KG</b>

<b>PART USED</b>	<b>LEAVES</b>
<b>EXTRACTION METHOD</b>	<b>STEAM DISTILLED ESSENTIAL OIL</b>
<b>QUALITY</b>	<b>100% PURE AND NATURAL</b>
<b>NOTE CLASSIFICATION</b>	<b>TOP NOTE</b>

<u>PROPERTIES</u>	<u>SPECIFICATION</u>
<b>APPEARANCE</b>	<b>Pale yellow to Yellowish Liquid</b>
<b>ODOUR</b>	<b>Odour of Minty and sweet aroma</b>
<b>REFRACTIVE INDEX @25DegC</b>	<b>1.4521</b>
<b>SPECIFIC GRAVITY (g/ML) @25DegC</b>	<b>0.8900</b>
<b>OPTICAL ROTATION</b>	<b>-21.08</b>
<b>SOLUBILITY</b>	<b>SOLUBLE IN ALCHOL OR FIXED OILS INSOLUBLE IN WATER</b>
<b>MFG DATE</b>	<b>MARCH 2026</b>
<b>BEST BEFORE</b>	<b>MARCH 2029</b>

### CHROMATOGRAPHY ANALYSIS

COMPOUND	TECHNICAL RANGE	RESULT	STATUS
<b>D-LIMONENE</b>	<b>1.50% To 7.0%</b>	<b>6.61%</b>	<b>COMPLIES</b>
<b>1,8 CINEOLE</b>	<b>Max 1.00%</b>	<b>0.29%</b>	<b>COMPLIES</b>
<b>MENTHONE</b>	<b>10.0% To 20.0%</b>	<b>18.39%</b>	<b>COMPLIES</b>
<b>NEO-MENTHOL</b>	<b>4.0% To 8.0%</b>	<b>4.84%</b>	<b>COMPLIES</b>
<b>ISO-METHONE</b>	<b>5.00% To 12.00%</b>	<b>5.45%</b>	<b>COMPLIES</b>
<b>MENTHYL ACETATE</b>	<b>MAX 3.5%</b>	<b>0.20%</b>	<b>COMPLIES</b>
<b>L-MENTHOL</b>	<b>27.00 TO 45.00%</b>	<b>42.12%</b>	<b>COMPLIES</b>
<b>PULEGONE</b>	<b>MAX 4.0%</b>	<b>0.86%</b>	<b>COMPLIES</b>



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**STABILITY AND STORAGE:**

Keep It in a Tightly Closed Container in a Cool And Dry Place Protected From Sunlight. When stored for more than 36 months, the quality should be checked before use because its shelf life is 3 years from the date of manufacturing.

**AUTHORISED SIGNATORY**



**ISSUED BY: VISHWANATH OILS PRODUCTS**  
**Dr. Bhumika Srivastav**  
**Quality Manager**



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