

## TECHNICAL DATA SHEET (TDS)

<b>Product Name</b>	<b>MACE OIL</b>
<b>Botanical Name</b>	Myristica fragrans
<b>Product Code</b>	PEO1104
<b>CAS #</b>	8007-12-3 ; 84082-68-8
<b>FEMA #</b>	2653
<b>EINECS #</b>	282-013-3
<b>INCI Name</b>	Myristica Fragrans (Mace) Oil


<b>Part Used</b>	Dried Aril
<b>Extraction Method</b>	Steam Distilled Essential Oil
<b>Quality</b>	100% Pure and Natural
<b>Note Classification</b>	Top to Middle Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
<b>Appearance</b>	Pale yellow to amber colored liquid
<b>Odour</b>	Fresh, warm, sweet-spicy odour reminiscent of freshly grated nutmeg
<b>Refractive Index</b>	1.470 - 1.490 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.870 - 0.930 @ 20°C
<b>Optical Rotation (°)</b>	+8° to +41°
<b>Solubility</b>	Soluble in alcohols and fixed oils; Insoluble in water

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
<b>Aerobic Mesophilic Bacterial Count</b>	< 100 CFU/g	ISO 21149
<b>Yeast and Mould</b>	< 10 CFU/g	ISO 16212
<b>Candida albicans</b>	ABSENT / 1g	ISO 18416
<b>Escherichia coli</b>	ABSENT / 1g	ISO 21150
<b>Pseudomonas aeruginosa</b>	ABSENT / 1g	ISO 22717
<b>Staphylococcus aureus</b>	ABSENT / 1g	ISO 22718

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<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

**STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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