

TECHNICAL DATA SHEET (TDS)

Product Name	ALLSPICE (PIMENTO BERRY) ESSENTIAL OIL
Botanical Name	Pimenta dioica (synonym Pimenta officinalis)
Product Code	PEO1002
CAS #	8006-77-7 ; 84929-57-7
FEMA #	2018
EINECS #	284-540-4
INCI Name	Pimenta Officinalis (Pimento) Berry Oil

Part Used	Berries (Fruits)
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to amber colored liquid
Odour	Warm, rich, spicy odour with notes of pepper, cloves and cinnamon
Refractive Index	1.525 - 1.545 @ 20°C
Specific Gravity (g/mL)	1.018 - 1.050 @ 25°C
Optical Rotation (°)	-4° to 0°
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	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 36 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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