



PHYTOS

Phytos Natur CZ. s.r.o.

TECHNICAL DATA SCHEET (TDS)

Product Name	BERGAMOT BEZ BERGAPTENU EO
Botanical Name	Citrus aurantium bergamia
CAS #	68648-33-9 / 89957-91-5
ENCIES #	289-612-9
FEMA #	2153
INCI Name	Citrus Aurantium Bergamia Oil

Part Used	Peels
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle to Top Note

PROPERTIES	SPECIFICATIONS
Appearance	Colorless to pale yellow clear, mobile liquid
Odor	Very fresh, sweet, green-floral, herbaceous aroma
Refractive Index	1.458 - 1.464 @ 20°C
Specific Gravity (g/mL)	0.877 - 0.890 @ 20°C
Optical Rotation (°)	-11° to -7°
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

MICROBIAL ANALYSIS	SPECIFICATIONS	STANDARDS
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mold	< 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

HEAVY METAL TESTS	SPECIFICATIONS	STANDARDS
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.

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