



PHYTOS

Phytos Natur CZ. s.r.o.

TECHNICAL DATA SCHEET (TDS)

Product Name	MANDLE HOŘKÉ EO
Botanical Name	Prunus amygdalus var. amara
CAS #	8013-76-1 / 8015-75-6 / 90320-35-7
ENCIES #	- / - / 291-060-9
INCI Name	Prunus Amygdalus Amara Kernel Oil

Part Used	Seeds (kernels)
Extraction Method	Steam Distilled Essential Oil (detoxified)
Quality	Natural essential oil, detoxified, cosmetic / perfumery grade
Note Classification	Middle Note

PROPERTIES	SPECIFICATIONS
Appearance	Clear to pale yellow liquid
Odor	Strong, characteristic bitter almond, marzipan-like
Refractive Index	1.544 – 1.548 @ 20 °C
Specific Gravity (g/mL)	1.040 – 1.050 @ 20 °C
Optical Rotation (°)	–2° to +2°
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.