



PHYTOS

Phytos Natur CZ. s.r.o.

TECHNICAL DATA SCHEET (TDS)

Product Name	KURKUMA KOŘEN EO
Botanical Name	Curcuma longa
CAS #	84775-52-0
ENCIES #	283-882-1
INCI Name	Curcuma Longa Root Oil

Part Used	Rhizomes (roots)
Extraction Method	Steam Distilled Essential Oil (detoxified)
Quality	100% pure and natural
Note Classification	Base note

PROPERTIES	SPECIFICATIONS
Appearance	Clear to slightly viscous liquid, Yellow to orange-brown
Odor	Warm, spicy, earthy, woody, characteristic turmeric-like aroma with slightly peppery undertones
Refractive Index	1.493 to 1.537 @ 25 °C
Specific Gravity (g/mL)	0.911 to 0.967 @ 20 °C
Optical Rotation (°)	-5° to +15°
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.