



TECHNICAL DATA SHEET (TDS)

TAGETES ESSENTIAL OIL

Product Name	TAGETES ESSENTIAL OIL
Botanical Name	Tagetes minuta
Product Code	GEO-N21
CAS #	8016-84-0 ; 91770-75-1
FEMA #	3040
EINECS #	294-862-7
INCI Name	Tagetes Minuta Flower Oil
Part Used	Flowering Tops
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Top to Middle Note

PROPERTIES

SPECIFICATIONS

Appearance	Yellow to reddish orange colored liquid
Odour	Strong, warm, sweet-herbaceous, ketonic odour
Refractive Index	1.478 - 1.515 @ 20°C
Specific Gravity (g/mL)	0.860 - 0.900 @ 20°C
Optical Rotation (°)	+1° to +10°
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 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

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 36 months, quality should be checked before use.

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