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TECHNICAL DATA SHEET

Sr. No. : UL3000132-V-04 **Issue Date: 27/03/2023**

QUALITY CONTROL : We declare that certificate of analysis of this material is inspected according to quality parameters as below :

Item Code	**UL3000132**
Item Name	**TAGETES OIL**

Test Parameters	Specifications
CAS #	91770-75-1
EINECS #	294-862-7
Botanical Name	Tagetes minuta ext.
Description	Yellow to orangish yellow liquid with characteristic odor.
Origin	This essential oil is obtained by the steam distillation from fresh flowers of Tagetes patula.
Appearance	Yellow to orangish yellow
Physical Status	Liquid
Flash Point (Closed cup) °C	69°C
Refractive Index	1.457 - 1.516 @20°C
Relative Density	0.837 - 0.897 @25°C
Optical Rotation	Not Determined
Solubility in Alcohol	Soluble
Solubility in Water	Insoluble
Assay by GC	cis-beta ocimene: 30-70% Dihydrotagetone: 5-20% cis-tagetone: 1-15% cis ocimenone: 1-8% trans-tagetone: 0.2-2%
Shelf Life	12 months with proper storage conditions.
Legislation	Natural
Stability	Avoid strong acids strong bases & all oxidizing agents.
Uses	Fragrance and Flavour application.

PACKING & STORAGE	Should be stored in cool, dry, well ventilated places in full, tightly sealed containers, protected from light & source of ignition.
HANDLING PRECAUTION	Handle with adequate ventilation Avoiding skin & eye contact. Use goggles or face shield safety gloves and wear protective clothing

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