

Certificate of Analysis

Product: Tagetes Oil (India)

Botanical Name: *Tagetes minuta*

Origin: India

Plant part used: Flowers

Extraction: Steam distilled

Physical data	<u>Specification²</u>	<u>Result</u>
Appearance:	Clear, mobile liquid	Complies
Colour:	Yellow to deep golden orange	Complies
Odour:	Fruity top note reminiscent of green apples.	Complies
Specific Gravity at 20 ⁰ C:	0.8599 to 0.9100	0.9064
Refractive Index at 20 ⁰ C:	1.4699 to 1.5100	1.4917
Optical Rotation:	- 7.00 ⁰ to +8.10 ⁰	6.85 ⁰

Chromatographic Profile

Sample	Component	Sopceification² Peak Area¹ (%)	Result Peak Area¹ (%)
<i>Tagetes minuta</i>	d-Limonene	2 to 10	4.98
	trans- beta Ocimene	10 to 40	34.13
	Pentanoic acid	Min 10	30.09
	trans- Tagetone	5 to 25	12.47