



Ayuroma Centre

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Manufacturer Of Essential Oils

GST No.: 09AMLPK4254H1ZT

IEC : 0606003053

Technical Data Sheet Turmeric Root Essential Oil

A.		General Information		
I	Product Name	Turmeric Root oil		
II	Batch/ Lot No.	2442032313		
III	CAS Number	8024-37-1		
IV	Botanical Name	<i>Curcuma longa</i>		
V	Family	Zingiberaceae		
VI	Country of Origin	India		
VII	Plant Part used	Root		
VIII	Extraction Method	Steam distillation		
IX	Shelf Life	3 years		
B.		Description & Uses		
The essential oil of turmeric is used particularly in food industry as spice for soups, rice- and meat- dishes, in confectionery, liqueur industry and in pharmaceutical industry in anti-inflammatory, ant oxidative, choleric, ant hepatotoxic, antimicrobial and ant carcinogenic products. Turmeric essential oil can protect against atherosclerosis, fatigue, weakness, anemia, weakened blood vessels, heart attack, stroke and other cardiovascular diseases.				
C.		Physical Analysis Report		
Parameter		Result		
I	Appearance	Yellow to orangish yellow free flowing liquid		
II	Odour	Turmeric like odour		
III	Solubility	Soluble in 90% alcoholss		
IV	Flash point	66°C		
V	Boling point	N/A		
Parameter		Minimum	Maximum	Result
VI	Specific Gravity (20°C)	0.9550	0.9710	0.9625
VII	Refractive Index (20°C)	1.4990	1.5150	1.5114
VIII	Optical Rotation (31.3°C)	+30°	+38°	+35.46°
D.		Gas Chromatography Analysis Report		
Constituents		Minimum (%)	Maximum (%)	Result (%)
I	Ar-Turmerone	29	35	34.38
II	Alpha-Turmerone	0.5	1.0	0.92
III	Turmerone	7	12	10.31





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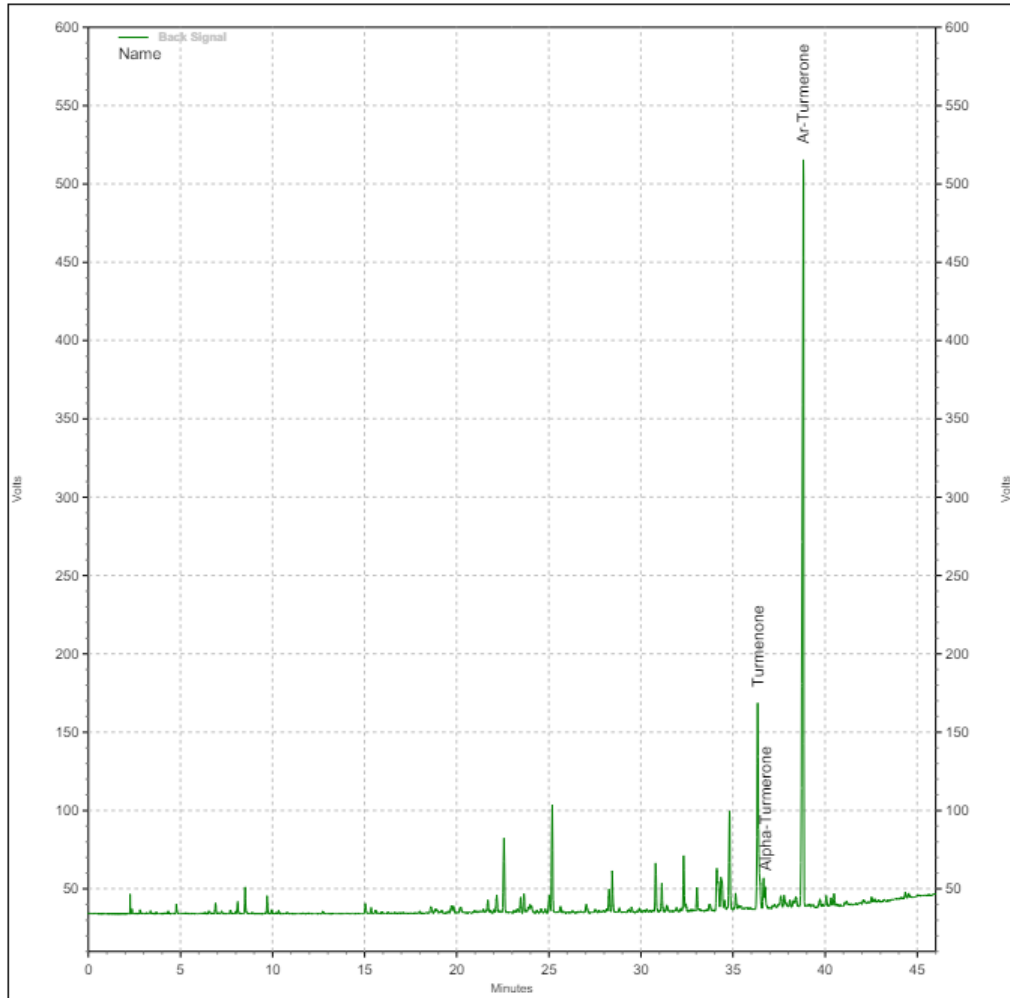
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E.

Chromatogram



Representative Chromatogram of Turmeric Root Oil (2442032313).

F.

Declaration

This information is based upon the present state of our knowledge. The analysis and statements herein constitute the most complete information available to Ayuroma Centre.

Kalpna

(Dr. Kalpana Katiyar)
Head, ATRIC

