



CERTIFICATE OF ANALYSIS (COA)

Product Information

Parameter	Specification
Product Name	Turmeric Essential Oil
Botanical Name	<i>Curcuma longa</i> L.
INCI Name	Curcuma Longa Root Oil
CAS Number	8024-37-1
EC Number	283-882-1
FEMA Number	3080
Origin	Ivory Coast / Côte d'Ivoire
Plant Part	Rhizomes
Extraction Method	Steam Distillation
Product Type	Natural Essential Oil

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Yellow to orange-yellow	Conforms
Odour	Warm, spicy, woody, earthy, characteristic turmeric	Conforms
Relative Density at 20°C	0.920 – 0.955	Conforms
Refractive Index at 20°C	1.490 – 1.520	Conforms
Flash Point	55°C – 65°C	Conforms
Solubility	Soluble in ethanol; insoluble in water	Conforms
Purity	100% pure natural essential oil	Conforms

Typical Naturally Occurring Constituents

Constituent	Status
ar-Turmerone	Present
α-Turmerone	Present
β-Turmerone / Curlone	Present
Zingiberene	Present
ar-Curcumene	Present
Germacrone	Present
β-Sesquiphellandrene	Present
1,8-Cineole	May be present



Storage

Store in tightly closed containers in a cool, dry place, away from heat, light, air and ignition sources.

Shelf Life

36 months from date of manufacture when stored under recommended conditions.

Conclusion

This product conforms to the above specification.

Prepared By:
Fozia Khot
Director