



ATRIN

Each drop has a unique mission

CERTIFICATE OF ANALYSIS (COA) ROSEMARY ESSENTIAL OIL

Manufacturing Date: 05-2024 | Expiry Date: 05-2026

BATCH NO.: EOI10070301

PRODUCT IDENTITY

Product Name	Rosemary essential oil
Material	Leaf
Common Name	Rosemary
Botanical Name	<i>Rosmarinus officinalis</i>
Extraction process	Steam Distillation
Preservative	NIL
Pesticides Residue	Negative
Appearance	Light yellow
Solubility	soluble in Oil
Shelf Life	2 years
Storage	Cool & Dark place
Report No	EOI1007025
Batch Size	1000 Kg
Extraction Solvent	Distilled Water

PHYSICAL & CHEMICAL CHARACTERISTIC

Item	Test	Results	Specification Method
Description	Complies	Liquid, Colorless to light yellow	Visual
Odour & Taste	Complies	colorless to pale yellow Characteristic odor	Visual
Refractive Index	1.458	-	Refractometer/Ph.Eur
Relative Density at 20 °C	0.912	-	USP 841



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ACTIVE COMPOUNDS TEST

Item	Test Results	Unite	Method
Eucalyptus	41	%	GC-MS
Camphene	17	%	GC-MS
Alpha copaene	10	%	GC-MS
Alpha pinene	12.6	%	GC-MS
Beta pinene	9	%	GC-MS

HEAVY METAL TEST

Item	Specification	Method	Test Results
Total Heavy Metals (ppm)	NMT- 10 ppm	USP <730>	Complies
a) Lead (Pb)	NMT- 3.0 ppm	USP <730>	Complies
b) Arsenic (As)	NMT-1.0 ppm	USP <730>	Complies
c) Cadmium (Cd)	NMT-1.0 ppm	USP <730>	Complies
d) Mercury (Hg)	NMT- 0.5 ppm	USP <730>	Complies

MICROBIOLOGICAL TEST

Item	Specification	Method	Test Results
Total plate	NMT-100 CfU/ml	USP40 -NF35	<100 CfU/ml
Yeast & Mould counts	NMT-10 CfU/ml	USP40 -NF35	<10 CfU/ml
E.coli	Absent/10ml	USP40 -NF35	Complies
Salmonella	Absent/10ml	USP40 -NF35	Complies



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