



**ATRIN**

Each drop has a unique mission

## CERTIFICATE OF ANALYSIS (COA)

### TARRAGON ESSENTIAL OIL


Manufacturing Date: 01-2025 | Expiry Date: 01-2027  
BATCH NO.: EOI1007025

## PRODUCT IDENTITY

<b>Product Name</b>	Peppermint essential oil
<b>Material</b>	Leaf
<b>Common Name</b>	Tarragon
<b>Botanical Name</b>	<i>Artemisia dracunculus</i>
<b>Extraction process</b>	Distillation
<b>Preservative</b>	NIL
<b>Pesticides Residue</b>	Negative
<b>Appearance</b>	Pale yellow
<b>Solubility</b>	soluble in Oil
<b>Shelf Life</b>	2 years
<b>Storage</b>	Cool & Dark place
<b>Report No</b>	EOI1007027
<b>Batch Size</b>	1000 Kg
<b>Extraction Solvent</b>	Distilled Water

## PHYSICAL & CHEMICAL CHARACTERISTIC

Item	Test	Results	Specification Method
Description	Complies	Liquid, Colorless to pale yellow	<b>Visual</b>
Odour & Taste	Complies	characteristic tarragon odor	<b>Visual</b>

 +316-87429891

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**ACTIVE COMPOUNDS TEST**

Item	Test Results	Unite	Method
$\alpha$ -Pinene	2.31	%	GC-MS
$\beta$ -Pinene	0.30	%	GC-MS
Limonene	5.48	%	GC-MS
(Z)- $\beta$ -Ocimene	9.75	%	GC-MS
(E)- $\beta$ -Ocimene	8.32	%	GC-MS
Estragole	70.63	%	GC-MS

**HEAVY METAL TEST**

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

**MICROBIOLOGICAL TEST**

Item	Specification	Method	Test Results
<b>Total plate</b>	count NMT-5000 Cfu/gm	Eur.Ph <2.6.12>	20 Cfu/g
<b>E.coli</b>	Absent	Eur.Ph <2.6.13>	Absent
<b>Salmonella</b>	Absent	Eur.Ph <2.6.13>	Absent
<b>Pseudomonas aeruginosa</b>	Absent	Eur.Ph <2.6.13>	Absent
<b>Staphylococcus aureus</b>	Absent	Eur.Ph <2.6.13>	Absent
<b>Yeast &amp; Mould counts</b>	NMT-500 Cfu/gm	Eur.Ph <2.6.12>	Less than 10 Cfu/g



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