



ATRIN

Each drop has a unique mission

CERTIFICATE OF ANALYSIS (COA) FERULA GUMMOSA LIQUID ESSENTIAL OIL

Manufacturing Date: 08 -2025 |

Expiry Date: 08 -2027

BATCH NO.: EO11007039

PRODUCT IDENTITY

Product Name	Ferula gummosa essential oil
Material	liquid
Common Name	galbanum
Botanical Name	<i>Ferula gummosa</i>
Extraction process	Maceration
Preservative	NIL
Pesticides Residue	Negative
Appearance	Brownish
Solubility	soluble in Oil
Shelf Life	2 years
Storage	Cool & Dark place
Report No	EO110070671
Batch Size	100 Kg
Extraction Solvent	Distilled Water

PHYSICAL & CHEMICAL CHARACTERISTIC

Item	Test	Results	Specification Method
Description	Complies	Turpentine like, balsamic, with characteristic green note	Visual
Odour & Taste	Complies	Liquid- Colorless to light yellow	Visual
Optical Rotation	Complies	7 to +17	ISO14716
Refractive Index	Complies	1.478-1.485	ISO14716
Refractive Index	Complies	0.867-0.890	ISO14716



+316-87429891



WWW.ATRIN.NL



info@atrin.nl



ATRIN

Each drop has a unique mission

ACTIVE COMPOUNDS TEST

Item	Test Results	Specification	Method
β-pinene	61.35%	40-70%	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	count NMT-5000 Cfu/gm	Eur.Ph <2.6.12>	25 Cfu/g
E.coli	Absent	Eur.Ph <2.6.13>	Absent
Salmonella	Absent	Eur.Ph <2.6.13>	Absent
Pseudomonas aeruginosa	Absent	Eur.Ph <2.6.13>	Absent
Staphylococcus aureus	Absent	Eur.Ph <2.6.13>	Absent
Yeast & Mould counts	NMT-500 Cfu/gm	Eur.Ph <2.6.12>	Less than 10 Cfu/g



+316-87429891



WWW.ATRIN.NL



info@atrin.nl