



NHR ORGANIC OILS
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Certificate of Analysis & Gas Chromatography **Organic Galbanum Essential Oil** *(Ferula galbaniflua)*

Botanical name : Ferula galbaniflua Boiss.
Commercial name : Organic Galbanum
Batch number : 240223-5
Geographical origin : Iran

Physical and chemical data :

	Standards	Results of analysis
Appearance	Liquid	Conform
Colour	Colourless to pale yellow	Conform
Odour	Balsamic, turpentine-like	Conform
Specific gravity at 20°C	0.830 to 0.890	0.8673
Refractive index at 20°C	1.474 to 1.485	1.4797
Optical rotation at 20°C	+7° to +20°	+15.88°
Flash point	+40°C to +50°C	

Table of components :

Components	Contents
Alpha-thujene	1.03%
Alpha-pinene	9.08%
Sabinene	0.40%
Beta-pinene	63.57%
Myrcene	2.69%
Delta-3-carene	5.42%
Cymene	0.98%
Limonene	1.77%
Trans-pinocarveol	1.31%
Pinocarvone	0.86%
Myrtenal	0.41%
Myrtenol	1.25%
Fenchyl Acetate	2.19%
Carvacrol Methyl Ether	0.90%
Bicyclo[3.1.1]hept-2-ene-2-methanol,6,6-dimethyl-	1.20%
Terpinyl Acetate	1.13%
Alpha-amorphene	0.64%
10s,11s-Himachala-3(12),4-diene	0.94%
Gamma-cadinene	1.12%
Guaiol	0.78%
Bicyclo[4.4.0]dec-1-ene, 2-isopropyl-5-methyl-9-methylene-	0.70%
Aromadendrene	1.43%
TOTAL	99.80%