

BIORUŽA, s. r. o.

Laborecká 1, 010 01 Žilina, IČO: 52234070, IČ DPH: SK2120953802, tel.: 00421 905 864 140, info@bioruza.sk

CERTIFICATE OF ANALYSIS **Private Laboratory**

SUBSTANCE IDENTIFICATION

Name: MAJORANA ESSENTIAL OIL (Origanum majorana)
Product code: 4188
INCI: Origanum Majorana Herb Oil
CAS No.: 84082-58-6
EINECS No.: 282-004-4
Batch: CO 01/2026
Production date: 06/2026
Expiration date: 06/2031
Specification: Internal

GENERAL CHARACTERISTICS

Type of product: 100% Natural essential oil
Quality: Conventional product
Botanical name: Origanum majorana
Type of production: Water steam distillation
Plant part: Above ground parts
Country of origin: Egypt

SENSORICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Appearance	Yellow to orange liquid	Complies
Odor	Characteristic	Complies

PHYSICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Specific density(20°C)	0.887-0.910	Complies
Refractive index(20°C)	1.468-1.480	Complies
Optical rotation(20°C)	+13°to+24°	Complies

PURITY

Parameter	Parameter	Result
Fatty acids and resinified essential oils	Not present	Complies
Additives	Not present	Complies

CHEMICAL CHARACTERISTICS(GC-FID)

Parameter	Specification requirements	Result
Sabinene	5.0-14.0%	8.6%
Myrcene		2.1%
α Terpinene		8.5%
p-Cymene		1.5%
Limonene		4.2%
γ Terpinene	7.0-20.0%	13.6%
cis-Sabinenehydrate		3.9%
α Terpinolene		3.2%
Linalool+trans-Sabinenehydrate		13.3%
Terpinen-4-ol	16.0-32.0%	23.8%
α Terpineol		3.6%
Linalylacetate		1.4%
β Caryophyllene		2.9%

PACKAGING AND STORAGE

Parameter	Requirements
Standard packaging	ALU,HDPE
Storage	In tight closed and full containers, at cool, dry and well ventilated place below 25°C
Reanalysis	When opened for more than 24 months quality should be checked before use.

ASSESSMENT

Quality conforms to the specification.

BIORUŽA, s. r. o.

Laborecká 1, 010 01 Žilina, IČO: 52234070, IČ DPH: SK2120953802, tel. : 00421 905 864 140,
info@bioruza.sk