

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: CORIANDER SEED OIL (Coriandrum sativum)
Product code: 4179
INCI: Coriandrum Sativum seed Oil
CAS Nr : 8008-52-4
EINECS Nr: - / 283-880-0
Batch: R03541
Production date: 06/2024
Expiration date: 06/2029

GENERAL CHARACTERISTICS

Type of product: 100% Natural essential oil
Quality: Conventional product
Botanical name: Coriandrum sativum L., Umbelliferae
Type of production: Steam distillation
Plant part: Seeds
Country of origin: Bulgaria

SENSORICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Appearance	Colourless to pale yellow liquid	Complies
Odor	Characteristic	Complies

PHYSICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Specific density (20°C)	0.860 - 0.880	0.867
Refractive index (20°C)	1.462-1.470	1.465
Optical rotation (20°C)	+7° to +13°	+10.3°

PURITY

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

CHEMICAL CHARACTERISTICS (GC-FID)

Parameter	Specification requirements	Result
α Pinene	3.0 - 7.0 %	6.2 %
Limonene	1.5 - 5.0 %	4.0 %
γ Terpinene	1.5 - 8.0 %	6.7 %
p-Cymene	0.5 - 4.0 %	2.1 %
Camphor	3.0 - 6.0 %	4.8 %
Linalool	65.0 - 78.0 %	67.0 %
α Terpineol	0.1 - 1.5 %	0.1 %
Geranyl acetate	0.5 - 4.0 %	2.9 %
Geraniol	0.5 - 3.0 %	1.2 %
(R)-Linalool	max 14 %	Complies/Ustreza

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.

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