BIORUŽA, s. r. o.

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CERTIFICATE OF ANALYSIS

SUBSTANCE IDENTIFICATION

Name:	LAUREL LEAF OIL (Laurus nobilis)
Product code:	4198
INCI:	Laurus Nobilis Oil
CAS Nr.:	8002-41-3 / 8007 48-5 /84603-73-6
EINECS Nr.:	-/-/283-272-5
Batch:	R02434
Production date:	04 2025
Expiration date:	01 2029
Specification:	Internal

GENERAL CHARACTERISTICS

Type of product:	100% Natural essential oil
Quality:	Conventional product
Botanical name:	Laurus nobilis L., Lauraceae
Type of production:	Water steam distillation
Plant part:	Branch and leaves
Country of origin:	Bulgaria

SENSORICAL CHARACTERISTICS

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

PHYSICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Specific density (20°C)	0.900-0.925	0.9128
Refractive index (20°C)	1.460-1.475	1.467
Optical rotation (20°C)	-17 to -22°	-19.8°

PURITY

Parameter	Parameter	Result
Fatty acids and resinfied essential oils	Not present	Ustreza
Additives	Not present	Ustreza

CHEMICAL CHARACTERISTICS (GC-FID)

Parameter	Specification requirements	Result
α Pinene	4.5-7.0 %	5.7%
β Pinene		4.3%
1.8 Cineol	42.0-55.0 %	45.6%
Linalool	1.0-9.5 %	7.9%
Terpinene-4-ol		2.6%
αTerpineol		2.3%
Terpynil acetate	8.0-20.0 %	9.5%
Eugenol	max 2.0 %	1.3%
Methyl eugenol	max 5.0 %	3.2%

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