

BIORUŽA, s. r. o.

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CERTIFICATE OF ANALYSIS Private Laboratory

SUBSTANCE IDENTIFICATION

Name: CLOVE LEAF OIL RECTIFIED 85% (Syzygium aromaticum syn. Eugeniacyophyllus)
Product code: 4192
INCI: Eugenia Caryophyllus Leaf Oil
CASNr: 8000-34-8/84961-50-2
EINECSNr: -/284-638-7
Batch: R03419
Production date: 06/ 2025
Expiration date: 06/ 2030
Specification: Internal

GENERAL CHARACTERISTICS

Type of product: 100% Natural essential oil
Quality: Conventional product
Botanical name: Syzygium aromaticum syn. Eugeniacyophyllu
Type of production: Water steam distillation
Plant part: Leaves
Country of origin: Indonesia

SENSORICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Appearance	Pale-yellow to yellow liquid	Complies
Odor	Characteristic	Complies

PHYSICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Specific density (20°C)	1.041-1.046	1.043
Refractive index (20°C)	1.534-1.537	1.535

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
Eugenol	Min 85.0%	85.7%
β -Caryophyllene		10.9%
α -Humulene		2.3%

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.