BIORUŽA, s. r. o.

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

CERTIFICATE OF ANALYSIS
Private Laboratory

SUBSTANCEIDENTIFICATION

Name:	LITSEA OIL (Litsea cubeba)
Product code:	4287
INCI:	Litsea Cubeba Fruit Oil
CAS Nr.:	68855-99-2/90063-59-5
EINECS Nr.:	290-018-7
Batch:	CO 06/2024
Production date:	06 2024
Expiration date:	06 2029
Specification:	Internal

GENERAL CHARACTERISTICS

Type of product:	100%Natural essential oil
Quality:	Conventional product
Botanical name:	Litsea cubeba
Type of production:	Water steam distillation
Plant part:	Fruits
Country of origin:	China

SENSORICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Appearance	Yellow liquid	Complies
Odor	Characteristic	Complies

PHYSICAL CHARACTERISTICS

Parameter	Specification requirements	Result
Specific density (20°C)	0.880-0.892	0.885
Refractive index (20°C)	1.480-1.490	1.484
Optical rotation (20°C)	+3°to+12°	+8.2°

PURITY

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

CHEMICAL CHARACTERISTICS(GC-FID)

Parameter	Specification requirements	Result
αPinene		1.2%
Sabinene		1.1%
βPinene		1.0%
Myrcene		1.0%
Limonene	9-15%	10.5%
Linalool		1.1%
Citronellal		1.6%
Neral	25-33%	32.1%
Geraniol		1.2%
Geranial	38-45%	39.8%

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.