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

SUBSTANCE IDENTIFICATION

Name:	PALMAROSA OIL (Cymbopogon martini)
Product code:	4382
INCI:	Cymbopogon Martini Oil
CAS Nr.:	84649-81-0
EINECS Nr.:	283-461-2
Batch:	CO 01/2024
Production date:	06 /2026
Expiration date:	06/2030
Specification:	Internal

GENERAL CHARACTERISTICS

Type of product:	100% Natural essential oil
Quality:	Conventional product
Botanical name:	Cymbopogon martini
Type of production:	Water steam distillation
Plant part:	Herb
Country of origin:	India

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)	0.878-0.892	0.8855
Refractive index (20°C)	1.470-1.476	1.475
Optical rotation (20°C)	-2 to +3°	0°

PURITY

Parameter	Parameter	Result
Fatty acids and resinfied essentialoils	Not present	Complies
Additives	Not present	Complies

CHEMICAL CHARACTERISTICS (GC-FID)

Parameter	Specification requirements	Result
βOcymene		1.0 %
Linalol		2.2 %
Geraniol	75.0-85.0%	83.6 %
Geranyl acetate	0.5-11.0%	7.2 %
β Caryophyllene		1.8 %

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 bechecked before use.