

# BIORUŽA, s. r. o.

Laborecká 1, 010 01 Žilina, IČO: 52234070, IČ DPH: SK2120953802, tel .: 00421 905 864 140,  
[info@bioruza.sk](mailto:info@bioruza.sk)

## **CERTIFICATE OF ANALYSIS** **Private Laboratory**

### **SUBSTANCE IDENTIFICATION**

**Name:** KATRAFAY OIL (Cedrelopsis grevei)  
**Product code:** 4172  
**INCI:** Cedrelopsis grevei  
**CAS Nr.:** N/A  
**EINECS Nr.:** 932-304-2  
**Batch:** R02665  
**Production date:** 06/2024  
**Expiration date:** 06/2029  
**Specification:** Internal

### **GENERAL CHARACTERISTICS**

**Type of product:** 100% Natural essential oil  
**Quality:** Conventional product  
**Botanical name:** Cedrelopsis grevei  
**Type of production:** Water steam distillation  
**Plant part:** Wood  
**Country of origin:** Madagascar

### **SENSORIAL CHARACTERISTICS**

Parameter	Specification requirements	Result
Appearance	Light yellow to yellow greenish liquid	Complies
Odor	Characteristic	Complies

### **PHYSICAL CHARACTERISTICS**

Parameter	Specification requirements	Result
Specific density(20°C)	0.920-0.970	0.9413
Refractive index(20°C)	1.485-1.525	1.503
Optical rotation(20°C)	-25° to +10°	-13.3°

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## PURITY

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

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## HM, CHEMICAL CHARACTERISTICS (GC-FID)

Parameter	Specification requirements	Result
$\alpha$ Copaene		5.5%
$\beta$ Elemene		7.1%
Sativenelsonmere		5.5%
Epi-Aristolochenelsonmere		4.7%
Ishwarane		36.9%
7-Epi- $\alpha$ -Selinene		3.7%
Sesquiterpineol		5.8%

## 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.

## ASSESSMENT

**Quality conforms to the specification.**

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