# BIORUŽA, s. r. o.

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

## CERTIFICATE OF ANALYSIS

## Private Laboratory

### SUBSTANCE IDENTIFICATION

| | |
|---|---|
| **Name**: | CASSIA OIL (Cinnamomum cassia) - Kitajski cimet EO |
| **Product code**: | 4174 |
| **INCI :** | Cinnamomum Cassia Oil |
| **CAS Nr :** | 84961-46-6 |
| **EINECS Nr :** | 284-635-0 |
| **Batch** : | P00243 |
| **Production date**: | 06 2025 |
| **Expiration date :** | 06 2030 |
| **Specification** : | Internal |

### GENERAL CHARACTERISTICS

| | |
|---|---|
| **Type of product** : | 100% Natural essential oil |
| **Quality** : | Conventional product |
| **Botanical name** : | Cinnamomum cassia (L.), Lauraceae |
| **Type of production** : | Water steam distillation |
| **Plant part**: | Whole plant |
| **Country of origin** : | India |

### SENSORICAL CHARACTERISTICS

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

### PHYSICAL CHARACTERISTICS

| Parameter | Specification requirements | Result |
|---|---|---|
| Specific density (20°C) | 1.040 - 1.070 | 1.044 |
| Refractive index (20°C) | 1.600-1.614 | 1.604 |
| Optical rotation (20°C) | -1° to +1° | 0.2° |

### 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 |
|---|---|---|
| Trans-Cinamal-Aldehyd | 70.0-90.0 % | 82.0 % |
| Cinnamyl acetate | 1.0-6.0 % | 2.0 % |
| Eugenol | | 1.3 % |
| Trans-2-Metoxy Cinamal Aldehyde | 3.0-15.0 % | 6.2 % |

## 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 bechecked before use. |

`