

# BIORUŽA, s. r. o.

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## CERTIFICATE of ANALYSIS (COA)

|                    |                                 |
|--------------------|---------------------------------|
| COMMON NAME        | Myrrh, Somalia                  |
| LATIN NAME         | <i>Commiphora myrrha</i>        |
| COUNTRY OF ORIGIN  | Somalia, Manufactured in Spain  |
| CULTIVATION METHOD | Wild Grown                      |
| TYPE               | Essential Oil                   |
| EXTRACTION METHOD  | Steam Distilled                 |
| PLANT PART         | Oleo-gum Resin                  |
| USE                | Aromatherapy, Natural Perfumery |

|              |             |
|--------------|-------------|
| SKU          | 605         |
| LOT #        | 22          |
| MANUFACTURED | August 2023 |
| RETEST       | August 2026 |

|                        | SPECIFICATIONS (Range) |        |
|------------------------|------------------------|--------|
| SPECIFIC GRAVITY @20°C | 0.950 – 1.040          | 1.0046 |
| REFRACTIVE INDEX @20°C | 1.485 – 1.531          | 1.5247 |
| OPTICAL ROTATION @20°C | -125° to -50°          | na     |

|                          |  |          |
|--------------------------|--|----------|
| PHYSICAL APPEARANCE      | Transparent, slightly viscous liquid at room temperature | Conforms |
| COLOR                    | Amber yellow to greenish yellow                          | Conforms |
| ODOR                     | Warm, earthy, resinous                                   | Conforms |
| SOLUBILITY               | Soluble in alcohol and fixed oils                        |          |
| SPECIAL USE INSTRUCTIONS | Dilute before use  |          |

|                      |  |
|----------------------|--|
| PRIMARY CONSTITUENTS | Furanoeudesma-1,3-diene, Curzerene, Lindestrene. |
|----------------------|--|

| COMPONENTS             | Range % | %     | COMPONENTS            | Range % | %    |
|------------------------|---------|-------|-----------------------|---------|------|
| CURZERENE              | na      | 34.27 | ETHYL ALCOHOL         | na      | 0.17 |
| FURANOEDESMA 1,3 DIENE | na      | 22.82 | LIMONENE*             | na      | 0.01 |
| LINDESTRENE            | na      | 7.71  | TRANS BETA OCIMENE    | na      | 0.01 |
| BETA ELEMENE           | na      | 4.81  | OCTYL ACETATE         | na      | 0.01 |
| 2 METHOXYFURANODIENE   | na      | 1.71  | BORNYL ACETATE        | na      | 0.01 |
| GAMMA ELEMENE          | na      | 1.65  | BETA CARYOPHYLLENE    | na      | 0.26 |
| GERMACRENE B           | na      | 1.32  | BETA SELINENE         | na      | 0.75 |
| ALPHA CUBEBENE         | na      | 0.02  | ALPHA SELINENE        | na      | 0.73 |
| YLANGENE               | na      | 0.02  | GAMMA CADINENE        | na      | 0.46 |
| ALPHA COPAENE          | na      | 0.06  | DELTA CADINENE        | na      | 0.51 |
| BETA BOURBONENE        | na      | 0.21  | ELEMOL                | na      | 0.51 |
| DELTA ELEMENE          | na      | 0.74  | EUDESMA-3,7(11)-DIENE | na      | 0.45 |
| ALPHA HUMULENE         | na      | 0.14  | CEMBRENE              | na      | 0.20 |
| GERMACRENE D           | na      | 0.70  | CEMBRENOL             | na      | 0.08 |

|                        |           |      |            |           |      |
|------------------------|-----------|------|------------|-----------|------|
| FURANOEDESMA 1,4 DIENE | <i>na</i> | 0.57 | GERMACRONE | <i>na</i> | 0.30 |
| <i>* EU Allergen</i>   |           |      |            |           |      |

|                 |   |
|-----------------|---|
| <b>COMMENTS</b> | Odor quality is excellent. This product contains <3% ethanol. |
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