



## CERTIFICATE OF ANALYSIS (COA)

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**Aromology Trading LLC**  
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### PRODUCT INFORMATION

| Parameter              | Details                                      |
|------------------------|----------------------------------------------|
| Product Name           | Petitgrain Essential Oil                     |
| Botanical Name         | <i>Citrus aurantium</i> L. var. <i>amara</i> |
| INCI Name              | Citrus Aurantium Amara Leaf/Twig Oil         |
| Plant Part             | Leaves & Young Twigs                         |
| Extraction Method      | Steam Distillation                           |
| Product Type           | Natural Essential Oil                        |
| CAS Number             | 68916-04-1                                   |
| Alternative CAS Number | 72968-50-4                                   |
| EC Number              | 277-143-2                                    |
| FEMA Number            | 2855                                         |
| Country of Origin      | Paraguay                                     |
| Batch Number           | PGE-260723                                   |

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### ORGANOLEPTIC ANALYSIS

| Test           | Specification                       | Representative Result |
|----------------|-------------------------------------|-----------------------|
| Appearance     | Clear mobile liquid                 | Conforms              |
| Colour         | Colourless to pale yellow           | Conforms              |
| Odour          | Fresh, green, citrus, floral, woody | Conforms              |
| Foreign Matter | None Visible                        | Conforms              |

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### PHYSICO-CHEMICAL ANALYSIS

| Test                     | Specification | Representative Result |
|--------------------------|---------------|-----------------------|
| Relative Density (20 °C) | 0.875–0.895   | 0.883                 |
| Refractive Index (20 °C) | 1.455–1.468   | 1.4618                |
| Optical Rotation         | –5° to +2°    | –1.4°                 |



|             |                    |             |
|-------------|--------------------|-------------|
| Flash Point | >58°C              | <b>61°C</b> |
| Solubility  | Soluble in ethanol | Conforms    |

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#### REPRESENTATIVE GC PROFILE

| Constituent                | Representative Result |
|----------------------------|-----------------------|
| Linalyl Acetate            | 46.2%                 |
| Linalool                   | 23.5%                 |
| $\alpha$ -Terpineol        | 3.7%                  |
| Geranyl Acetate            | 2.8%                  |
| Neryl Acetate              | 2.1%                  |
| Limonene                   | 2.2%                  |
| $\beta$ -Pinene            | 1.5%                  |
| Geraniol                   | 0.8%                  |
| Nerol                      | 0.6%                  |
| Other Natural Constituents | Balance               |

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#### QUALITY STATUS

| Assessment                   | Status                 |
|------------------------------|------------------------|
| Natural Origin               | Conforms               |
| Professional Perfumery Grade | Conforms               |
| GMO                          | Not Intentionally Used |
| Animal Derived Material      | None                   |
| Vegan Suitable               | Yes                    |

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#### STORAGE

Store tightly closed between 5–20°C, protected from light, heat and air.

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#### SHELF LIFE

24 months under recommended storage conditions.

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#### Authorised By

Fozia Khot  
Director  
Aromology Trading LLC