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## CERTIFICATE OF ANALYSIS

<b>MATERIAL</b>	<b>CLOVE LEAF OIL MADAGASCAR</b>
<b>INCI NAME</b>	<b>EUGENIA CARYOPHYLLATA</b>
<b>EINECS CAS NUMBER</b>	<b>84961-50-2</b>
<b>CAS NUMBER</b>	<b>8000-34-8</b>
<b>EC NUMBER</b>	<b>284-638-7</b>
<b>FEMA NUMBER</b>	<b>2325</b>
<b>BATCH NUMBER</b>	<b>CLOLE-012201</b>
<b>LOT NUMBER</b>	<b>20.34.958.A</b>
<b>ORDER NUMBER</b>	
<b>QUANTITY</b>	<b>20 KGS</b>

<b>Description</b>	<b>Clove Leaf essential oil is obtained by steam distillation of the leaves of Eugenia caryophyllata, Myrtaceae</b>
<b>Appearance</b>	<b>Straw to black liquid</b>
<b>Odour</b>	<b>Strong, spicy</b>
<b>Optical Rotation @ 20°C</b>	<b>-1.0</b>
<b>Specific Gravity @ 20°C</b>	<b>1.0446</b>
<b>Refractive Index @ 20°C</b>	<b>1.5347</b>
<b>Flashpoint</b>	<b>&gt;93°C</b>
<b>Solubility</b>	<b>Soluble in ethanol</b>

### Chromatographic Characteristics (GLC)

<b>Eugenol</b>	<b>86.21%</b>
<b>Beta Caryophyllene</b>	<b>8.55%</b>

**Manufacture Date**                      **August 2020 18**

**Shelf Life**                                      **Months**

**Best Before**                                      **February 2022**

After this delay, the quality must be checked.

### Storage

Original unopened container, at ambient temperature, under dry conditions and away from light.  
The shelf life is not valid out of the mentioned conditions.

### Handling

According to IFRA Code of Practice.

### Caution

Concentrated product for industrial use avoid contact with eyes and mucous. Do not drink.

This information contained in this data sheet is to the best of our knowledge, including the data supplied by our suppliers, current at the mentioned date and remain the property of the issuer. Alteration can result of improper transport and/or storage. The certificate does not release the user from the responsibility of undertaking his own tests of conditions and suitability in the intended uses with regard to the current legal and statutory measures.

**CRAIG STEVENSON**  
**21 August 2020**