

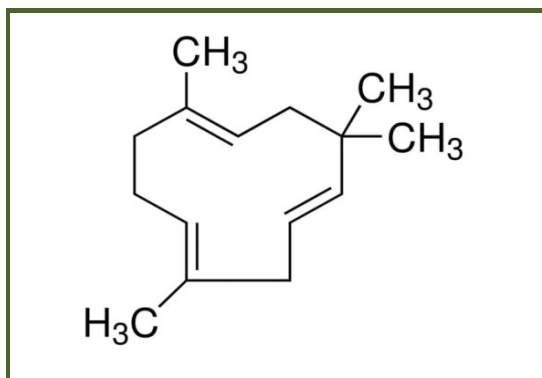


# NATURAL AROMA

PRODUCTS PVT. LTD.

*We create aroma !*

## PRODUCT SPECIFICATION



## ALPHA HUMULENE

### Product Information

|               |                                                               |
|---------------|---------------------------------------------------------------|
| CAS Number    | - 6753-98-6                                                   |
| EINECS Number | - 229-816-7                                                   |
| FEMA Number   | - 5077                                                        |
| Source        | - Naturally obtained by fractional distillation of Clove oil. |

### Molecular Properties

|                   |                                   |
|-------------------|-----------------------------------|
| Molecular Formula | - C <sub>15</sub> H <sub>24</sub> |
| Molecular Weight  | - 204.35g/mol                     |
| Boiling Point     | - 166 to 168°C                    |
| Flash Point       | - 85 to 90 °C                     |

### Physico- Chemical Properties

| Property                | Value                                                            |
|-------------------------|------------------------------------------------------------------|
| Odor Description        | Warm, spicy, woody sweet                                         |
| Color/Appearance        | Clear, colorless liquid to pale yellow                           |
| Solubility              | Insoluble in water; soluble in alcohol and most organic solvents |
| Optical Rotation (20°C) | -5 to +5                                                         |
| Specific Density (20°C) | 0.8627 to 0.8978                                                 |
| Refractive Index (20°C) | 1.5000 to 1.5500                                                 |
| Purity by GC            | > 92%                                                            |

### Storage Conditions

| Property            | Value                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Shelf Life          | 48 months                                                                                                                         |
| Storage Environment | Store in tightly sealed containers in a cool, dry and well-ventilated place away from direct sunlight, heat and oxidizing agents. |

**Quality Assurance:** This product meets all specifications and has been tested according to industry standards. Each batch undergoes rigorous quality control to ensure consistency and purity.