



# Rich Aromas

Trust the Chemistry

DELIVERING PURITY AND CONSISTENCY  
IN ESSENTIAL OILS AND AROMATIC SOLUTIONS.

## CERTIFICATE OF ANALYSIS

| PRODUCT                      |  | : | CARDAMOM OIL |
|------------------------------|--|---|--------------|
| PROPERTIES                   | SPECIFICATIONS                             |   | RESULT       |
| Organoleptic Characteristics |  |   |              |
| Appearance                   | Pale Yellow Liquid                         |   | Complies     |
| Flavour and Fragrance        | Sweet aromatic characteristics of cardamom |   | Complies     |
| PHYSICAL                     |  |   |              |
| Solubility                   | Soluble in alcohol                         |   | Complies     |
| Refractive Index @ 25°C      | 1.460-1.466                                |   | 1.462        |
| Specific Gravity @ 25°C      | 0.917-0.947                                |   | 0.9283       |
| Optical Rotation             | +22° to +44°                               |   | +28.5°       |
| GC-PROFILE                   |  |   |              |
| Cineol                       | 28%-36%                                    |   | 33.0%        |
| Terpinyl Acetate             | 38%-45%                                    |   | 44.2%        |

|              |   |
|--------------|---|
| Storage      | Store at room temperatures in a well closed container away from direct heat and sun light, free from humid conditions |
| Shelf life   | 24 months from the date of manufacturing under specified storage conditions   |
| Intended Use | Industries related to food and pharmaceutical   |

