



Cardamom Oil – Product Specification

Product Information

Parameter	Specification
Product Name	Cardamom Essential Oil
Botanical Name	<i>Elettaria cardamomum</i>
Common Name	Cardamom Oil
Plant Part Used	Seeds
CAS No.	8000-66-6
EINECS No.	288-922-1
HS Code	3301.29 (Country specific)
Origin	India
Extraction Method	Steam Distillation

Organoleptic Properties

Parameter	Specification
Appearance	Clear to pale yellow liquid
Color	Colorless to pale yellow
Odor	Fresh, sweet, spicy, warm, characteristic cardamom Aroma
Taste	Warm, aromatic (Not for direct consumption)

Physical & Chemical Properties

Parameter	Specification
Specific Gravity (25°C)	0.910 – 0.935



1.455 – 1.470

Refractive Index (20°C)

Optical Rotation +20° to +40°

Flash Point Above 65°C

Solubility Soluble in alcohol; insoluble in water

Major Chemical Constituents

Component	Typical Range (%)
1,8-Cineole (Eucalyptol)	20–40
α-Terpinyol Acetate	25–45
Limonene	2–8
Sabinene	2–8
Myrcene	1–5
α-Pinene	1–5
Linalool	1–5

Quality Standards

- 100% Pure & Natural
- Steam Distilled
- No Synthetic Additives
- No Artificial Fragrance
- No Mineral Oil
- Non-GMO
- Free from Heavy Metals (within permissible limits)
- Free from Pesticide Residues (as per importing country requirements)

Microbiological Parameters

Parameter	Specification
Total Plate Count	Within acceptable limits
Yeast & Mold	Within acceptable limits
<i>Escherichia coli</i>	Absent



Absent

Salmonella

*Staphylococcus
aureus*

Absent

Packaging

- 1 kg Aluminum Bottle
- 5 kg Aluminum Container
- 25 kg HDPE Drum
- 180 kg GI/MS Drum
- Customized packing available

Storage Conditions

- Store in tightly sealed containers.
- Keep in a cool, dry, and well-ventilated place.
- Protect from direct sunlight and moisture.
- Keep away from heat and open flames.

Shelf Life

24 Months from the date of manufacture when stored under recommended conditions.

Applications

- Food Flavoring
- Pharmaceutical Industry
- Aromatherapy
- Cosmetics & Personal Care
- Perfumery
- Herbal Formulations
- Nutraceuticals

Country of Origin:India