

## CLOVES SPECIFICATION



### Product Details

- **Product:** Cloves (Whole)
- **Origin:** India (Kerala, Tamil Nadu, Karnataka), Sri Lanka, Indonesia, Madagascar
- **Botanical Name:** Syzygium aromaticum
- **Form:** Whole dried flower buds

### Chemical Specification

Parameter	Specification
<b>Volatile Oil Content</b>	12% to 18%
<b>Eugenol Content</b>	70% to 85%
<b>Moisture Content</b>	10% to 12% max
<b>Total Ash</b>	5% to 7% max
<b>Acid Insoluble Ash</b>	1% to 2% max

### Grades of Cloves

Grade	Description
<b>Handpicked Superior (HPS)</b>	Uniform size, color, and aroma
<b>Grade 1</b>	Clean, dark brown, less broken
<b>Grade 2</b>	Slight variation in size and color
<b>Grade 3</b>	Broken or smaller cloves

### Packaging & Shipping details

#### Packing:

- PP/Jute Bags or Cartons
- Standard Sizes: 10kg, 25kg, 50kg bags

#### Load Capacity:

- 20 FT Container: 10-12 Metric Tons (MT)
- 40 FT Container: 20-22 Metric Tons (MT)

**Shelf Life:** Up to 2 years when stored in a cool, dry place, away from moisture and sunlight.

### Key Features

- High volatile oil and **eugenol** content ensuring rich aroma and strong flavor.
- Handpicked and machine-cleaned for premium quality.
- Free from foreign matter, stems, and infestation.
- Available in multiple grades to meet various requirements.

### Physical Specification

Parameter	Specification/Range
<b>Appearance</b>	Whole, dried flower buds
<b>Color</b>	Dark brown to reddish-brown
<b>Size</b>	10 mm to 16 mm
<b>Length</b>	1.2 cm to 2.0 cm
<b>Head</b>	Intact, round, firm, 4-6 mm diameter
<b>Texture</b>	Firm, hard, and aromatic
<b>Moisture Content</b>	10% to 12% max
<b>Foreign Matter</b>	0.5% to 1% max
<b>Stems</b>	1% to 3% max
<b>Damaged/Discolored Cloves</b>	2% max
<b>Volatile Oil Content</b>	12% to 18% (High Eugenol Content)
<b>Eugenol Content</b>	70% to 85%
<b>Density</b>	140 to 160 gm per 100 ml
<b>Odor/Aroma</b>	Strong, spicy, and aromatic
<b>Taste</b>	Pungent, warm, and slightly bitter