



1. Product Details

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



2. Physical Specifications

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

3. Chemical Specifications

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

4. Grades of Cloves

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



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4. Packing and 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.
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5. 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.

