



1. Product Details

- **Product:** Black Mustard Seeds
- **Origin:** India (Rajasthan, Gujarat, Madhya Pradesh, Uttar Pradesh)
- **Botanical Name:** *Brassica nigra*
- **Form:** Whole dried seeds
- **Color:** Black to dark brown



2. Physical Specifications

| Parameter | Specification/Range |
|------------------|-------------------------|
| Appearance | Small, round, dry seeds |
| Color | Black to dark brown |
| Size | 1mm to 2mm |
| Purity | 99% to 99.5% |
| Foreign Matter | 0.5% max |
| Admixture | 0.5% max |
| Moisture Content | 6% to 8% max |
| Odor | Strong, pungent aroma |
| Broken Seeds | 1% max |

3. Chemical Specifications

| Parameter | Specification |
|----------------------|--------------------------------|
| Moisture Content | 6% to 8% max |
| Total Ash | 4% max |
| Acid Insoluble Ash | 1.25% max |
| Volatile Oil Content | 0.5% to 1.2% |
| Oil Content | 30% to 35% |
| Protein Content | 25% to 28% |
| Pesticide Residue | As per international standards |
| Microbial Load | As per food safety standards |

4. Grades of Black Mustard Seeds

| Grade | Purity |
|------------------|--------------------------------|
| Premium Grade | 99.5% (clean and uniform size) |
| Regular Grade | 99% (minor impurities) |
| Commercial Grade | 98% (used for oil extraction) |

5. Packing and Shipping Details

- **Packing:**
 - PP Bags, Jute Bags, or Paper Bags
 - Standard Sizes: **10kg, 25kg, 50kg**, or customized packing
- **Load Capacity:**
 - **20 FT Container:** 22 Metric Tons (MT)
 - **40 FT Container:** 27 Metric Tons (MT)