

1. Product Details

- **Product:** Black Cumin Seeds
- **Common Names:** Kalonji, Nigella Seeds, Black Caraway
- **Origin:** India
- **Botanical Name:** *Nigella sativa*



2. Physical Specifications

Parameter	Specification/Range
Appearance	Small, angular, black seeds
Color	Jet black
Size	1mm to 3mm
Purity	99% to 99.5%
Foreign Matter	0.5% max
Admixture	0.5% max
Moisture Content	6% to 8% max
Odor	Strong, aromatic, slightly peppery smell
Broken Seeds	1% max

3. Chemical Specifications

Parameter	Specification
Moisture Content	6% to 8% max
Volatile Oil Content	1% to 2%
Fixed Oil Content	30% to 35%
Total Ash	5% max
Acid Insoluble Ash	1.5% max
Protein Content	20% to 25%
Saponin Content	Less than 1%
Pesticide Residue	As per international standards
Microbial Load	As per food safety standards

4. Grades of Black Cumin Seeds

Grade	Purity
Premium Grade	99.5% (highly cleaned and uniform)
Regular Grade	99% (moderately cleaned)
Commercial Grade	98% (used in bulk or industrial use)

5. Packing and Shipping Details

- **Packing:**
 - Food-grade poly bags, PP Bags, or paper bags
 - Standard Sizes: **10kg, 25kg, 50kg**, or customized packing
- **Load Capacity:**
 - **20 FT Container:** 14 Metric Tons (MT)
 - **40 FT Container:** 26 Metric Tons (MT)