

Kalonji (Black Cumin Seeds) – Product Specification

1. Product Details:

- **Product Name:** Kalonji (Black Cumin Seeds)
- **HS Code:** 09093119
- **Origin:** India



2. Physical Specifications:

Parameter	Specification
Color	Jet black
Form	Small, black, angular seeds
Purity	Min 99%
Aroma/Taste	Warm, Bitter, Pungent
Foreign Matter	Max 1%
Broken Seeds	Max 2%

3. Chemical Analysis:

Parameter	Standard Range
Moisture	Max 8%
Ash Content	≤7%
Acid Insoluble Ash	≤1.5%
Volatile Oil	0.5% - 1.5%
Thymoquinone Content	0.4% - 1%
Aflatoxin (B1 + B2 + G1 + G2)	<10 PPB
Ethylene Oxide	Not Permitted / ≤ 0.1 mg/kg

4. Packing and Shipping Details:

- **Packing:**
 - PP Bags, HDPE Bags, Paper Bags or customized packaging.
 - Sizes: 10kg/25kg/50kg bags
- **Load Capacity:**
 - 20 FT Container: 10-11 MT
 - 40 FT Container: 20-22 MT
- **Shelf Life:** Up to 12-18 months if stored properly.



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5. Key Features:

- **Culinary Use:** Widely used in Indian, Middle Eastern, and Mediterranean cuisines—added to curries, bread, pickles, and spice blends.
- **Food Processing:** Suitable for bakery products (naan, buns), namkeen, flavoured oils, and seasoning mixes.
- **Medicinal & Ayurvedic Use:** Used for immunity, digestion, detox, respiratory support, and antioxidant therapies.
- **Herbal & Nutraceutical Products:** Key ingredient in herbal tonics, capsules, black seed oil, and health supplements.
- **Oil Extraction:** Used to produce Black Seed Oil, popular worldwide for its healing and therapeutic uses.

