

SPECIFICATION

Product Name: Cumin Seed Singapore 99%
Chemical Formula: N/A
CAS Number: N/A
Molecular Weight: 148.20 g/mol
Appearance: Brown whole seeds
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specifications Min./Max.
Purity	%	99.5%	≥99.0%
Foreign Matter	%	0.30%	NMT 1.0%
Moisture	%	8.2%	NMT 1.0%
Ash	%	2.23%	NMT 10.0%
Damaged Seeds	%	0.20%	NMT 5.0%
Insect Infestation	-	Absent	Absent
Live Insects	-	Absent	Absent
Lead	PPM	0.30 PPM	NMT 2 PPM
Arsenic	PPM	0.10 PPM	NMT 1 PPM
Cadmium	PPM	0.05 PPM	NMT 1 PPM
Mercury	PPM	0.02 PPM	NMT 0.1 PPM
Microbiological Parameters			
Total plate count /g	cfu/g	<1000 cfu/g	<100000 cfu/g

Yeast & Molds /g	cfu/g	<100 cfu/g	<1000 cfu/g
Escherichia Coli /5g	-	Absent	Absent
Salmonella /25g	-	Absent	Absent
Staphylococcus aureus/ g	-	Absent	Absent

Physical Properties

- Solubility: Insoluble in water. Soluble in ethanol. Soluble in methanol. Soluble in acetone. Soluble in ether. Soluble in vegetables oil.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed container in a cool, dry, and well-ventilated place, protected from moisture, heat, direct sunlight, and contamination.

Applications

- Use: Widely used in food, beverage, nutraceutical, herbal, and traditional wellness formulations for its distinctive aroma, flavor, and natural phytochemical content.
- Dosage: Depends on Desired flavor intensity, Type of food or beverage, Product formulation, Culinary tradition, Regulatory requirements.

Packaging

- Standard Packing: 25 Kgs pp bag with inner liner or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.