

SPECIFICATION

Product Name: Guar Gum
Chemical Formula: (C ₆ H ₁₀ O ₅) _n
CAS Number: 9000-30-0
Molecular Weight: Approximately 50,000 to 8,000,000 g/mol
Appearance: White to creamish white fine powder.
Odor: Odorless.

Chemical Composition

Parameter	Unit	Typical Value
Moisture	%	7.2%
Ash	%	0.68%
Protein	-	4.40
Acid Insoluble Residue	-	1.05
pH	-	6.1
Gum Content (By Difference)	%	86.85%
Granulometry: passing through 200 Mesh	%	98%
Viscosity 3 Hours Brook fiend RVT Spindle No: 4 @ 20 RPM. 25 Deg. C	Cps	5200 cps
Total Plate Count	gm	305
Yeast / Mould	gm	52

E. Coli	gm	Negative
Salmonella	25 gm	Negative

Physical Properties

- Solubility: Soluble in cold and hot water, forming a highly viscous solution in water. Insoluble in alcohol and most organic solvents in organic solvents.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated place. Keep away from moisture, humidity, direct sunlight, and heat. Store in tightly closed containers or bags. Recommended storage temperature: below 30°C.

Applications

- Use: Used as a thickener, stabilizer, and emulsifier in ice cream, sauces, bakery products, dairy items, and beverages. Used in shampoos, creams, lotions, toothpaste, and gels for thickening and texture improvement.
- Dosage: Depends on desired thickness and texture, Product formulation, Processing conditions, Viscosity grade of guar gum.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner, 1 kgs and 100 grams 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.