

SPECIFICATION

Product Name: Organic Guar Gum With TC Food Grade
Chemical Formula: N/A
CAS Number: 9000-30-0
Molecular Weight: 200000 to 8000000 g/mol
Appearance: White fine powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value
Moisture	%	Max. 12%
pH (1% M)	-	5.5 – 7.0
Gum content	%	Min. 80%
Protein	%	Max. 5%
Ash content	%	Max. 1%
Acid insoluble residue	%	Max. 3%
Starch	-	Negative
Fat	%	Max. 0.8%
Viscosities (Brookfield viscosity 1% solution)		
After 2 hours	Cps	Min. 5000 Cps
After 24 hours	Cps	5000 – 5500 Cps
Granulometry		

On 100 Mesh	%	Max. 1%
Through 200 Mesh	%	>=95%
Microbiological		
Aerobic plate count	gm	Max. 5000
Molds and yeast	gm	Max. 300
Coliform	gm	Negative
E. coli	gm	Negative
Salmonella	gm	Negative
Staphylococcus aureus AOAC	cfu/g	Negative
Metals		
Arsenic	PPM	Max. 2 PPM
Lead	PPM	Max. 2 PPM
Mercury	PPM	Max. 1 PPM
Cadmium	PPM	Max. 1 PPM
Heavy metals (As pb) pm	PPM	Max. 10 PPM

Physical Properties

- Solubility: Soluble in water. Insoluble in ethanol. Insoluble in acetone. Insoluble in oils.

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 at 15–30°C. Protect from moisture, excessive humidity, direct sunlight, and heat. Keep the container tightly closed in the original, properly labeled packaging to prevent moisture absorption, caking, and contamination. Proper storage helps maintain the product's viscosity, functionality, and shelf life.

Applications

- Use: Widely used as a natural thickener, stabilizer, emulsifier, suspending agent, gelling aid, and water-binding agent in food, beverage, pharmaceutical, and nutraceutical formulations. It helps improve viscosity, texture, mouthfeel, product stability, and moisture retention. It is commonly used in dairy products, sauces, dressings, soups, bakery products, beverages, ice cream, confectionery, gluten-free foods, tablets, capsules, and dietary supplements.
- Dosage: Depends on the intended application, required viscosity, texture, and product formulation.

Packaging

- Standard Packing: 25 Kgs woven 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.