

SPECIFICATION

Product Name: Xanthan Gum (Fufeng)
Chemical Formula: $(C_{35}H_{49}O_{29})_n$
CAS Number: 11138-66-2
Molecular Weight: 1–5 million g/mol
Appearance: White-like or light-yellow powder.
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Particle Size (mesh)	-	Conform	100% through 80 mesh, not less than 92% through 200 mesh
Viscosity (1% KCL, cps)	-	1506	1500-1700
Shear ratio	-	7.6	≥6.5
V1/V2	-	Conform	1.02 ~ 1.45
PH (1% Solution)	-	7.02	6.0 - 8.0
Loss on drying	%	7.5	≤15
Ashes	%	Conform	6 – 8
Pb	PPM	Conform	≤2
Total Nitrogen	%	Conform	≤1.5
Pyruvic Acid	%	Conform	≥1.5

Total plate count	Cfu/g	<100	≤2000
Moulds/Yeasts	Cfu/g	<100	≤100
Coliform	MPN/g	Conform	≤0.3
Salmonella	-	Conform	Absent

Physical Properties

- Solubility: Freely soluble in water. Insoluble in most organic solvents.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry place. Keep container tightly closed. Protect from moisture and humidity. Avoid direct sunlight.

Applications

- Use: Thickener, stabilizer, emulsifier (sauces, dressings, beverages, bakery). Suspending and stabilizing agent. Thickening and binding agent. Used in oil drilling fluids and other applications.
- Dosage: Depends on desired thickness, texture, and application conditions.

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.