

SPECIFICATION

Product Name: Xanthan Gum (Deosen)
Chemical Formula: $(C_{35}H_{49}O_{29})_n$
CAS Number: 11138-66-2
Molecular Weight: 1–5 million g/mol
Appearance: Cream to off white powder.
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Viscosity 1% solution in 1% KCL	Cps	1561cps	1200 - 1600 cps
PH 1% Solution	-	6.47	6.0 - 8.0
Moisture	%	8.48%	Max. 13%
Ash	%	6.54%	Max. 13%
Particle size	%	100% 94.2%	100% through 80 mesh (180 micron) Min 92% through 200 mesh (75 micron)
V1/V2	-	1.03	1.02 - 1.45
Pyruvic Acid	%	3.40	Min 1.5%
Heavy metal	PPM	Conform	Max. 20PPM
Lead	PPM	Conform	Max. 2PPM

Arsenic	PPM	Conform	Max. 3PPM
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Physical Properties

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

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry place (preferably below 25–30°C). Keep in a tightly sealed, airtight container. Protect from moisture and humidity. Avoid direct sunlight and heat sources. Keep away from strong odors and contaminants.

Applications

- Use: Thickener & stabilizer in sauces, dressings, gravies. Improves texture and mouthfeel in beverages and dairy products. Used in gluten-free baking to provide structure and elasticity. Used in oil drilling fluids for viscosity control. Applied in paints, coatings, and other formulations for stability and flow control.
- Dosage: Depends on desired viscosity, texture, and system 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.