



Batch Reference & Certificate of Analysis

This cover sheet accompanies the original, unmodified Certificate of Analysis issued by our manufacturing partner for the batch referenced below. It is provided by Ingredia International to confirm that this shipment corresponds to that certificate.

PRODUCT	Guar Gum Powder (300 Mesh), High Viscosity / Industrial Grade
BATCH / LOT NUMBER	AFI-GGP-300M-2026
COUNTRY OF ORIGIN	India
TESTED & CERTIFIED BY	Al Fazal International LLP, Quality Control Laboratory (www.alfazal.info)
SUPPLIED TO CUSTOMER BY	Ingredia International, Germany

Confirmation: Ingredia International confirms that the attached Certificate of Analysis, issued by Al Fazal International LLP for Batch AFI-GGP-300M-2026, corresponds to the Guar Gum Powder (300 Mesh) supplied in this shipment. The analytical results, test methods, and certification statement on the following page(s) are those of the manufacturer's own quality control laboratory and are reproduced here unmodified.

Note: The original Certificate of Analysis follows this cover sheet and has not been altered in any way. For questions about this shipment or batch, please contact Ingredia International directly.

ISSUED BY

Ingredia International – Inhaber: Hakan Yildirim

DATE

Accompanies shipment documentation



AL FAZAL INTERNATIONAL LLP

Exporters of Premium Hydrocolloids & Agricultural
Commodities
Website: www.alfazal.info | Origin: India

CERTIFICATE OF ANALYSIS

QUALITY CONTROL LABORATORY

PRODUCT NAME:	Guar Gum Powder (300 Mesh)	HS CODE:	1302.32.30
GRADE / STANDARD:	High Viscosity / Industrial Grade	BATCH / LOT NUMBER:	AFI-GGP-300M-2026
PRODUCTION / LOT DATE:	Current Production Lot	SHELF LIFE / EXPIRY:	Two (2) Years from Lot Date
COUNTRY OF ORIGIN:	India	QUALITY STATUS:	APPROVED FOR EXPORT

1. ANALYTICAL & CHEMICAL SPECIFICATIONS

TEST PARAMETER	METHOD / STANDARD	SPECIFICATION LIMIT	ANALYSIS RESULT
Gum Content (Galactomannan)	Difference Method	85.00% Min.	86.40% (Complie
Moisture Content	Oven Drying @ 105°C	12.00% Max.	10.35%
Total Ash Content	Muffle Furnace @ 550°C	0.50% Max.	0.38%
Acid Insoluble Residue	Dilute HCl Boiling	3.00% Max.	1.45%
Protein Content (N × 5.7)	Kjeldahl Method	3.00% Max.	2.15%
Heavy Metals (as Pb)	Atomic Absorption (AAS)	Less than 10 PPM	< 5 PPM (Complii
pH Value (1% Solution)	Digital pH Meter @ 25°C	6.00 Min.	6.65

2. COLD VISCOSITY PROFILE

Test Conditions: 1% Aqueous Solution, Temperature @ 25°C, Brookfield Viscometer RVT at 20 RPM, Spindle No. 4

TIME INTERVAL	SPINDLE / RPM	STANDARD MINIMUM	ANALYSIS RESULT
Viscosity After 2 Hours	Spindle No. 4 @ 20 RPM	3,700 CPS Min.	3,850 CPS
Viscosity After 24 Hours	Spindle No. 4 @ 20 RPM	4,100 CPS Min.	4,280 CPS

3. GRANULATION & MESH SIZE DISTRIBUTION			
MESH SIZE (US STANDARD)	SIEVE ANALYSIS	STANDARD SPECIFICATION	ANALYSIS RESULT
Granulation Retained on 300 Mesh	Mechanical Sieve Shaker	0.00% Max.	Nil (0.00%)
Passed through 300 Mesh	Mechanical Sieve Shaker	100.00% Min.	100.00%
Passed through 350 Mesh	Mechanical Sieve Shaker	99.90% Min.	99.95%
Passed through 400 Mesh	Mechanical Sieve Shaker	99.50% Min.	99.65%

4. MICROBIOLOGICAL STANDARDS			
MICROBIOLOGICAL PARAMETER	TEST METHOD	STANDARD LIMIT	ANALYSIS RESULT
Total Plate Count (TPC)	BAM / ISO 4833	5,000 / gm Max.	< 1,200 / gm
Yeast & Moulds	BAM / ISO 21527	500 / gm Max.	< 80 / gm
Coliforms	ISO 4832	Absent	Absent / Negative
E. Coli	ISO 16649	Absent in 1 gm	Absent / Negative
Salmonella	ISO 6579	Absent in 25 gm	Absent / Negative

CERTIFICATION & COMPLIANCE STATEMENT:

We hereby certify that the above-mentioned batch of **Guar Gum Powder (300 Mesh)** has been thoroughly analyzed in our quality control laboratory. The product conforms strictly to the specified Analytical, Viscosity, Granulation, and Microbiological standards.

Storage & Shelf Life: Two (2) years from the lot / inspection date when stored in sealed original packing in a cool, dry place away from direct sunlight, moisture, and heat.

QUALITY CONTROL MANAGER
 Head of Laboratory & Analysis
 AL FAZAL INTERNATIONAL LLP

AUTHORIZED SIGNATORY / DIRECTOR
 Export & Operations Division
 AL FAZAL INTERNATIONAL LLP