

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Guar Gum, Cationic
INCI Name: Guar hydroxypropyltrimonium chloride
CAS Number: 65497-29-2
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 24 months from production date

Property	Specification	Analysis
Appearance (20°C)	Fine powder	Pass
Color	Light yellow	Pass
Viscosity (Brookfield) (Method: RVT RVF Sol. 1% RPM 20 @ 25° C /2hrs)	3000 - 4000 mPas	3550 mPas
pH (1% Solution at 25° C after 2 hours) (Method: Z0002)	6.00 - 7.00	6.58
Moisture (Method: Z0002)	6.00 - 12.00%	6.30%
Particle Size (through 140 mesh) (Method: ISO2591-1)	90.00% MIN	99.90%
Total Microbial Count (Method: CHAP. 2.6.12 EP)	1000 CFU/g MAX	10 CFU/g
Nitrogen Content (Method: NMR-001)	1.3 - 1.6%	1.5%
Yeasts and Molds (Method: CHAP. 2.6.12 EP)	100 CFU/g	10 CFU/g
Gram Negative (Method: CHAP. 2.6.13 EP)	Absent	Absent

The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed. All data are as per our supplier.

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