

CERTIFICATE OF ANALYSIS

Product Name	Guar Gum, Cationic
INCI Name	Guar Hydroxypropyltrimonium Chloride, Water, Sodium Chloride
CAS	65497-29-2, 7732-18-5, 7647-14-5
Lot Number	241105101
Manufacture Date	11/2024
Re-test Date	11/2026

Items	Specification	Results
Appearance	Light Yellowish Powder	Conforms
Dry Loss (105°C, 2hrs)	6.0 - 12.0 [%]	7.62
pH (1% Sol, 25°C)	6.0 - 7.0	6.66
Total Nitrogen	1.3 - 1.6 [%]	1.31
Viscosity (1% Sol, 25°C)	3000 - 4000 [cPs]	3,050
Ash (700°C, 3hrs)	2.0 Max. [%]	1.83

Viscosity: Brookfield RVT, Spindle No.4, 20rpm

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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