

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-05-07 10:39:11  
 Date of Next Testing: 2028-05-06 10:39:11  
 Product Name: **Guar**  
 CAS Number: 9000-30-0  
 Specifications & Purity: 5000-5500 cps, 200 mesh  
 Lot #: D2419061  
 SKU #: **G109238**  
 Version: **1**  
 Analysis #: **289045**  
 Storage Temperature: Room temperature

| Parameter                                                    | Limit Values              | Result                    |
|--------------------------------------------------------------|---------------------------|---------------------------|
| Ash                                                          | 0-1.5 (%)                 | 0.08000 %                 |
| Protein Content                                              | 0-5 (%)                   | 0.36000 %                 |
| Galactomannan                                                | 83-100 (%)                | 92.50000 %                |
| insoluble ash                                                | 0-0.6 (%)                 | 0.24100 %                 |
| Loss on drying(105 °C, 60 Minutes)                           | 0-10 (%)                  | 1.08200 %                 |
| Lead(Pb)                                                     | 0-10 (ppm)                | 2.15000 ppm               |
| pH                                                           | 6-8                       | 7.35000                   |
| Insoluble matter                                             | 0-5 (%)                   | 0.52000 %                 |
| (As)Arsenic                                                  | 0-3 (ppm)                 | 1.03000 ppm               |
| Viscosity(1% water solution, 25 °C, 2hr, 20 rpm, rotor No.4. | 5000-5500 (cP)            | 5498.00000 cP             |
| Particle size                                                | ≥200 (mesh)               | 200.00000 mesh            |
| Appearance (G109238)                                         | white flowing powder milk | white flowing powder milk |



John Su  
QA & QC Manager