



# Qualikems Lifesciences Pvt. Ltd.

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## CERTIFICATE OF ANALYSIS

|                          |              |                         |              |
|--------------------------|--------------|-------------------------|--------------|
| <b>Name of Product</b>   | : Gellan Gum | <b>CAS No.</b>          | : 71010-52-1 |
| <b>Molecular Formula</b> | : --         | <b>Molecular Weight</b> | : --         |
| <b>Batch No.</b>         | : QF2606232  | <b>Grade</b>            | : LR         |
| <b>Mfg. Date</b>         | : June-2026  | <b>Retest Date</b>      | : May-2031   |

| Sr. No. | Tests                         | Specification                             | Observation |
|---------|-------------------------------|-------------------------------------------|-------------|
| 1       | Appearance                    | Off-white, odorless, Free flowing powder  | Complies    |
| 2       | Content                       | 85~108%                                   | 98.02 %     |
| 3       | Solubility                    | Soluble in water to form viscous solution | Complies    |
| 4       | Calcium ion test              | Pass                                      | Complies    |
| 5       | Particle size                 | ≥95% Pass 60 mesh                         | Complies    |
| 6       | Loss on drying                | ≤ 15.0%                                   | 6.12%       |
| 7       | Loss on Ignition              | ≤ 15.0%                                   | 10.3%       |
| 8       | pH value                      | 5.5~7.5                                   | 6.72        |
| 9       | Residue of ethanol            | ≤ 750mg/kg                                | Complies    |
| 10      | Gel strength (0.5% solution ) | ≥ 800g/cm2                                | 1050g/cm2   |
| 11      | Total Nitrogen                | ≤3%                                       | Complies    |
| 12      | Transmittance %               | ≥76%                                      | 82.2%       |
| 13      | Lead                          | ≤ 2mg/kg                                  | Complies    |
| 14      | Mercury                       | ≤1mg/kg                                   | Complies    |
| 15      | Arsenic                       | ≤2mg/kg                                   | Complies    |
| 16      | Cadmium                       | ≤1mg/kg                                   | Complies    |
| 17      | Total bacterial               | ≤10,000cfu/g                              | Complies    |
| 18      | Yeast & Mold                  | ≤400cfu/g                                 | < 300cfu/g  |
| 19      | E. Coli                       | Negative                                  | Negative    |
| 20      | Salmonella                    | Negative                                  | Negative    |

**Conclusion:** Product complies as per above specification.

**Note:** This document has been produced electronically and it is valid without signature.

Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability what so ever the end product performance.

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