

CERTIFICATE OF ANALYSIS

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|-------------------------|-----------|
| Product Name | Pullulan |
| Product Code | AL00215 |
| INCI Name | Pullulan |
| CAS Number | 9057-02-7 |
| Lot Number | 20250723 |
| Manufacture Date | 07/2025 |
| Re-test Date | 07/2027 |

| Items | Specification | Results |
|---|---|----------|
| Appearance | White or almost white powder | Conforms |
| Viscosity | 50~180 [mm ² /s,10% sol.,30°C] | 129 |
| Monosaccharide Disaccharide Oligosaccharide | ≤ 10 [w/%] | 0.6 |
| Total Nitrogen | ≤ 0.05 [w/%] | < 0.05 |
| Loss on Drying | ≤ 6.0 [w/%] | 5.1 |
| Residue on Ignition | ≤ 8.0 [w/%] | 0.1 |
| pH (10%) | 5.0 ~ 8.0 | 6.0 |
| Lead | ≤ 1 [mg/kg] | Complies |
| Arsenic | ≤ 2 [mg/kg] | Complies |
| Mercury | ≤ 1 [mg/kg] | Complies |
| Cadmium | ≤ 5 [mg/kg] | Complies |
| Total plate count | < 300 [cfu/g] | Complies |
| Yeast & mould | ≤ 100 [cfu/g] | Complies |
| Thermotolerant coliform bacteria | None detected in 1g | Negative |

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
 When stored for a period longer than the one specified above, quality should be checked before use.

As it is electronically generated document, hence no signature required

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