

Product: Agar Agar Powder, FOOD GRADE

Cat. Number: ASF-3001

Date of Release: 10 May 2025

Lot Number: AP250711

Expiration Date: May 2028

| Parameter | SPECIFICATION | RESULTS |
|------------------------------|-------------------------------|------------------------|
| Appearance | Off white to yellowish powder | Pass |
| Particle Size | 95% pass 80 mesh | 98.90% |
| Loss on Drying (105 °C 4h) | ≤ 12.0% | 9.30% |
| Ash (550°C 4h) | ≤ 5.0% | 0.90% |
| Gel Strength (1.5%,20°C, 4h) | ≥ 1000 g/cm ² | 1025 g/cm ² |
| pH | 4.0-8.0 | 6.7 |
| Starch Test | Pass | Pass |
| Gelatin Test | Pass | Pass |
| Acid-insoluble Ash | ≤ 0.5% | Pass |
| Water-insoluble Substance | ≤ 1.0% | Pass |
| Arsenic (As) | ≤ 2.0 mg/kg | Pass |
| Lead (Pb) | ≤ 5.0 mg/kg | Pass |
| Cadmium (Cd) | ≤ 1.0 mg/kg | Pass |
| Mercury (Hg) | ≤ 1.0 mg/kg | Pass |
| Total Plate Count | ≤ 5,000 CFU/gr | <1,000 CFU/gr |
| Yeast and Moulds | ≤ 300 CFU/gr | <100 CFU/gr |
| <i>E. coli</i> | Absent in 5 gr | Pass |
| Salmonella | Absent in 5 gr | Pass |

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Storage Conditions:

Store in a cool dry place in an odor free environment. It is recommended to maintain temperatures below 25 °C, and relative humidity below 65%.

The document has been issued in electronic format and is considered valid. | AuSaMiCs Life Science