

Certificate of Analysis

Product Description: Agarose, Molecular Biology Grade
Catalog Number: AGAH0100; AGAH0250; AGAH0500
Lot: SR04665

Formula: N/A
CAS #: 9012-36-6
Physical Description: White Powder

Formula Weight: N/A
Storage: 15 - 30°C

Test	Specification	Results
Identity Test	Passes	Passes
Gelling Temperature (1.5% gel)	36 ± 2°C	36.0°C
Melting Temperature (1.5% gel)	~89°C	88.9°C
Gel Strength (1% gel)	≥1200 g/cm ²	1255 g/cm ²
Electroendosmosis	≤0.12	0.12
Sulphate	≤0.15%	0.098%
DNAase/RNase Activity	None Detected	None Detected

Particle Size:

- Over Sieve 60: 0.85%
- Over Sieve 100: 24.80%
- Over Sieve 140: 26.50%
- Over Sieve 200: 25.65%
- Under Sieve 200: 23.70%

Ash: 0.35%

Clarity (NTU): 2.90

pH (1.5% soln in gel): 7.35

Colorimetry (Absorbance, nm 450): 0.024

Comparative Assay of Different Size DNA Fragments: Passes

Background Fluorescence Assay in Ethidium Bromide: Passes

Gel Strength(1.5% gel): 2805 g/cm²

Moisture: 4.46%

Recommended Retest Date (MM/DD/YYYY): 06/30/2026



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