

Certificate of Analysis

Product Description: Agarose, Molecular Biology Grade
Catalog Number: AGAH0100; AGAH0250; AGAH0500
Lot: SR02358

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

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

Test	Specification	Result
Identity Test	Passes	Passes
Gelling Temperature (1.5% gel)	36 ± 2°C	36.6°C
Melting Temperature (1.5% gel)	~89°C	88.9°C
Gel Strength (1% gel)	≥1200 g/cm ²	1395 g/cm ²
Electroendosmosis	≤0.12	0.12
Sulphate	≤0.15%	0.097%
DNAase/RNase Activity	None Detected	None Detected

Gel Strength (1.5% gel): 3095 g/cm²

Clarity (1.5%): 2.92 NTU

pH in gel(1.5%): 7.13

Ash: 0.34%

Colorimetry (Absorbance) at 450nm: 0.023

Particle size (A.S.T.M.):

- over sieve 60: 0.35%
- over sieve 100: 20.35%
- over sieve 140: 39.10%
- over sieve 200: 27.10%
- under sieve 200: 14.85%

Recommended Retest Date (MM/DD/YYYY): 09/30/2024



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