

## Certificate of Analysis

**Product Description:** Agarose, Molecular Biology Grade  
**Catalog Number:** AGAH0250; AGAH0100; AGAH0500  
**Lot:** M6134

**Formula:** N/A  
**CAS #:** N/A  
**Physical Description:** White Powder

**Formula Weight:** N/A  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Gelling Temperature (1.5% gel)	36 ± 2°C	36.7°C
Melting Temperature (1.5% gel)	~89°C	88.4°C
Gel Strength (1% gel)	≥1200 g/cm <sup>2</sup>	1,340 g/cm <sup>2</sup>
Electroendosmosis	≤0.12	0.12
Sulfate	≤0.14%	0.080%
DNAase/RNase Activity	None Detected	None Detected
DNA Blotting	Complete Transfer	Passes

Gel Strength (1.5% gel): 3,065 g/cm<sup>2</sup>

Moisture: 4.41%

Ash: 0.29%

Clarity (NTU): 2.8

pH (1.5% soln): 6.92

pH (1.5% gel): 6.75

Colorimetry (A450): 0.042

Particle Size:

- over sieve 60: 0.00%

- over sieve 100: 23.95%

- over sieve 140: 36.50%

- over sieve 200: 19.50%

- under sieve 200: 20.55%

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