

# Certificate of Analysis



SCIENTIFIC

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## AGAROSE Low Melting Point

### PRODUCT NUMBER

IB70050 \_\_\_\_\_ 25gm  
IB70051 \_\_\_\_\_ 50gm  
IB70056 \_\_\_\_\_ 100gm  
IB70057 \_\_\_\_\_ 250gm  
IB70058 \_\_\_\_\_ 500gm  
IB70059 \_\_\_\_\_ 1kg

### LOT NO.

Lot# \_\_\_\_\_ 23J2003

### CAS NO.

CAS# \_\_\_\_\_ 9012-36-6

### STORAGE

Store at room temperature. Protect from moisture. Light sensitive.

Agarose gels may be stored wrapped in plastic or submerged in 1X running buffer at +4°C until needed.

### DATE OF

Reassay Date: \_\_\_\_\_ 02/2028

### SPECIFICATIONS

	Specification	Analysis	Disposition
Appearance	Fine, homogeneous powder	Fine, homogeneous powder	PASS
Moisture	≤ 7%	4.77%	PASS
Ash	≤ 0.4%	0.35%	PASS
EEO	≤ 0.12	0.11	PASS
Sulfate	≤ 0.12%	0.088%	PASS
Clarity @1.5% (NTU)	≤ 4	3.94	PASS
Gelling Temperature @1.5%	24°C - 28°C	27.7°C	PASS
Melting Temperature @1.5%	≤ 65.5°C	65.3°C	PASS
Gel Strength @1.0%	≥ 100	310g/cm <sup>2</sup>	PASS
Gel Strength @1.5%	≥ 500	1140g/cm <sup>2</sup>	PASS
pH (in solution)		7.39	PASS
pH (in gel)		7.48	PASS
Colorimetry (Absorbance)		0.042	PASS
DNase and RNase assay	PASS / FAIL	None Detected	PASS

### PARTICLE SIZE

Over sieve 60 \_\_\_\_\_ 0.90%  
Over sieve 100 \_\_\_\_\_ 5.25%  
Over sieve 140 \_\_\_\_\_ 50.00%  
Over sieve 200 \_\_\_\_\_ 32.40%  
Under sieve 200 \_\_\_\_\_ 12.40%

### CERTIFICATION

We certify that this batch conforms to the specifications listed above and has been reviewed by a quality representative. This document has been electronically produced and signed by IBI SCIENTIFIC.

Abigail Wood  
Quality Control

09/07/23  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.