

# Certificate of Analysis



SCIENTIFIC

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## AGAROSE Molecular Biology Grade

### PRODUCT NUMBER

IB70035 \_\_\_\_\_ 25gm  
IB70040 \_\_\_\_\_ 100gm  
IB70041 \_\_\_\_\_ 250gm  
IB70042 \_\_\_\_\_ 500gm  
IB70045 \_\_\_\_\_ 1kg  
IB70046 \_\_\_\_\_ 2.5kg  
IB70047 \_\_\_\_\_ 5kg

### LOT NO.

Lot# \_\_\_\_\_ 19H2003

### 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: \_\_\_\_\_ 01/2024

### SPECIFICATIONS

	Specification	Analysis	Disposition
Appearance	Fine, homogeneous powder	Fine, homogeneous powder	PASS
Moisture	≤ 7%	6.94%	PASS
Ash	≤ 0.4%	0.39%	PASS
EEO	0.05 - 0.13	0.12	PASS
Sulfate	≤ 0.10%	0.090%	PASS
Clarity @1.5% (NTU)	≤ 3	2.92	PASS
Gelling Temperature @1.5%	36°C ± 1.5°C	35.5°C	PASS
Melting Temperature @1.5%	88°C ± 1.5°C	89.1°C	PASS
Gel Strength @1.0%	≥ 1200	1,230g/cm <sup>2</sup>	PASS
Gel Strength @1.5%	≥ 2500	2,900g/cm <sup>2</sup>	PASS
pH (in solution)		6.88	PASS
pH (in gel)		7.16	PASS
Colorimetry (Absorbance)		0.032	PASS
DNase and RNase assay	PASS / FAIL	None Detected	PASS

### PARTICLE SIZE

Over sieve 60 \_\_\_\_\_ 0.05%  
Over sieve 100 \_\_\_\_\_ 24.10%  
Over sieve 140 \_\_\_\_\_ 37.55%  
Over sieve 200 \_\_\_\_\_ 23.80%  
Under sieve 200 \_\_\_\_\_ 15.55%

### 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.

Toby Frericks  
Quality Control

08/09/19  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.