

# 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# 20K1001

### 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%	6.04%	PASS
Ash	≤ 0.4%	0.28%	PASS
EEO	0.05 - 0.13	0.12	PASS
Sulfate	≤ 0.10%	0.097%	PASS
Clarity @1.5% (NTU)	≤ 3	2.90	PASS
Gelling Temperature @1.5%	36°C ± 1.5°C	36.5°C	PASS
Melting Temperature @1.5%	88°C ± 1.5°C	88.6°C	PASS
Gel Strength @1.0%	≥ 1200	1,285g/cm <sup>2</sup>	PASS
Gel Strength @1.5%	≥ 2500	3,080g/cm <sup>2</sup>	PASS
pH (in solution)		6.52	PASS
pH (in gel)		7.27	PASS
Colorimetry (Absorbance)		0.021	PASS
DNase and RNase assay	PASS / FAIL	None Detected	PASS

### PARTICLE SIZE

Over sieve 60	0.20%
Over sieve 100	20.00%
Over sieve 140	38.15%
Over sieve 200	20.30%
Under sieve 200	22.80%

### 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

11/04/20  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.