

# Certificate of Analysis



SCIENTIFIC

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## AGAROSE Basic

### PRODUCT NUMBER

IB70070 \_\_\_\_\_ 100gm  
IB70071 \_\_\_\_\_ 250gm  
IB70072 \_\_\_\_\_ 500gm  
IB70073 \_\_\_\_\_ 1kg  
IB70074 \_\_\_\_\_ 5kg

### LOT NO.

Lot# \_\_\_\_\_ 20B3001

### 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: \_\_\_\_\_ 07/2024

### SPECIFICATIONS

	Specification	Analysis	Disposition
Appearance	Fine, homogeneous powder	Fine, homogeneous powder	PASS
Color	White	White	PASS
Moisture	≤ 7%	5.59%	PASS
Ash	≤ 0.45%	0.41%	PASS
Sulfate	≤ 0.10%	0.125%	PASS
Clarity @1.5% (NTU)	≤ 4	3.95	PASS
Gelling Temperature @1.5%	36°C ± 1.5°C	35.9°C	PASS
Melting Temperature @1.5%	88°C ± 1.5°C	88.8°C	PASS
Gel Strength @1.0%	≥ 1000	1,155g/cm <sup>2</sup>	PASS
Gel Strength @1.5%	≥ 2200	2,700g/cm <sup>2</sup>	PASS
pH (in solution)		7.04	PASS
pH (in gel)		7.13	PASS
Colorimetry (Absorbance)		0.035	PASS
DNase and RNase assay	PASS / FAIL	None Detected	PASS

### PARTICLE SIZE

Over sieve 60 \_\_\_\_\_ 0.40%  
Over sieve 100 \_\_\_\_\_ 29.25%  
Over sieve 140 \_\_\_\_\_ 34.35%  
Over sieve 200 \_\_\_\_\_ 18.30%  
Under sieve 200 \_\_\_\_\_ 18.85%

### 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

02/18/20  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.