

# Certificate of Analysis



SCIENTIFIC

800-253-4942 • [IBISCI.com](http://IBISCI.com)

An ISO 9001 Certified Company

## AGAROSE Basic

### PRODUCT NUMBER

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

### LOT NO.

Lot# \_\_\_\_\_ 23H2002

### 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: \_\_\_\_\_ 08/2027

### SPECIFICATIONS

	Specification	Analysis	Disposition
Appearance	Fine, homogeneous powder	Fine, homogeneous powder	PASS
Color	White	White	PASS
Moisture	≤ 7%	6.69%	PASS
Ash	≤ 0.45%	0.44%	PASS
Sulfate	≤ 0.10%	0.135%	PASS
Clarity @1.5% (NTU)	≤ 4	3.94	PASS
Gelling Temperature @1.5%	36°C ± 1.5°C	36.2°C	PASS
Melting Temperature @1.5%	88°C ± 1.5°C	88.8°C	PASS
Gel Strength @1.0%	≥ 1000	1,090g/cm <sup>2</sup>	PASS
Gel Strength @1.5%	≥ 2200	2,675g/cm <sup>2</sup>	PASS
pH (in solution)		7.03	PASS
pH (in gel)		7.52	PASS
Colorimetry (Absorbance)		0.031	PASS
DNase and RNase assay	PASS / FAIL	None Detected	PASS

### PARTICLE SIZE

Over sieve 60 \_\_\_\_\_ 0.95%  
Over sieve 100 \_\_\_\_\_ 26.20%  
Over sieve 140 \_\_\_\_\_ 34.65%  
Over sieve 200 \_\_\_\_\_ 21.90%  
Under sieve 200 \_\_\_\_\_ 17.15%

### 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

08/08/23  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.