

Certificate of Analysis



SCIENTIFIC

800-253-4942 • IBISCI.com

An ISO 9001 Certified Company

AGAROSE Molecular Biology Grade

PRODUCT NUMBER

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

LOT NO.

Lot# 20K3015

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: 05/2025

SPECIFICATIONS

| | Specification | Analysis | Disposition |
|---------------------------|--------------------------|--------------------------|-------------|
| Appearance | Fine, homogeneous powder | Fine, homogeneous powder | PASS |
| Moisture | ≤ 7% | 4.55% | PASS |
| Ash | ≤ 0.4% | 0.37% | PASS |
| EEO | 0.05 - 0.13 | 0.12 | PASS |
| Sulfate | ≤ 0.10% | 0.090% | PASS |
| Clarity @1.5% (NTU) | ≤ 3 | 2.63 | 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 | 1,240g/cm ² | PASS |
| Gel Strength @1.5% | ≥ 2500 | 2,990g/cm ² | PASS |
| pH (in solution) | | 6.46 | PASS |
| pH (in gel) | | 7.33 | PASS |
| Colorimetry (Absorbance) | | 0.018 | PASS |
| DNase and RNase assay | PASS / FAIL | None Detected | PASS |

PARTICLE SIZE

| | |
|-----------------|--------|
| Over sieve 60 | 0.30% |
| Over sieve 100 | 18.30% |
| Over sieve 140 | 36.30% |
| Over sieve 200 | 21.15% |
| Under sieve 200 | 25.40% |

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.

Toby Frericks
Quality Control

11/23/20
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.