

Certificate of Analysis



SCIENTIFIC

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An ISO 9001 Certified Company

AGAROSE Basic

PRODUCT NUMBER

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

LOT NO.

Lot# _____ 23B2002

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% | 6.87% | PASS |
| Ash | ≤ 0.45% | 0.45% | PASS |
| Sulfate | ≤ 0.10% | 0.145% | PASS |
| Clarity @1.5% (NTU) | ≤ 4 | 3.92 | PASS |
| Gelling Temperature @1.5% | 36°C ± 1.5°C | 35.4°C | PASS |
| Melting Temperature @1.5% | 88°C ± 1.5°C | 88.9°C | PASS |
| Gel Strength @1.0% | ≥ 1000 | 1,045g/cm ² | PASS |
| Gel Strength @1.5% | ≥ 2200 | 2,720g/cm ² | PASS |
| pH (in solution) | | 7.14 | PASS |
| pH (in gel) | | 7.41 | PASS |
| Colorimetry (Absorbance) | | 0.036 | PASS |
| DNase and RNase assay | PASS / FAIL | None Detected | PASS |

PARTICLE SIZE

Over sieve 60 _____ 0.35%
Over sieve 100 _____ 22.60%
Over sieve 140 _____ 34.55%
Over sieve 200 _____ 19.35%
Under sieve 200 _____ 24.65%

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

04/20/22

Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.

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