

Certificate of Analysis

Product Description: Agar_
Catalog Number: 4019012_
Lot: QR14138_

Formula: N/A
CAS #: N/A
Physical Description: Tan Powder

Formula Weight: N.A
Storage: 15-30°C

Test	Specification	Result
Identity Test	Passes	Passes

Melting Point: 88.6° c
Ash: 3.9%
Water: 9.8%
Gel Strength (1.5% soln, post autoclaving): 730 g/cm²
Gel Point (1.5% soln): 34.5°C
Solubility (1.5% soln) post autoclave: Clear Colorless Solution
Sieve: >95% thru 60 mesh
Arsenic: <3 ppm
Lead: <5 ppm
Mercury: <1 ppm
Cadmium: <1 ppm
Total heavy metals: <20 ppm
Turbidity NTU:
- before autoclaving: 4.9
- after autoclaving: 4.16
pH in gel:
- before autoclaving: 7.3
- after autoclaving: 7.09
Colorimetry (Absorbance 450 nm):
- before autoclaving: 0.187
- after autoclaving: 0.196
Total plate count: <5000 cuf/g
Coliforms, Staphylococci, Salmonella: Absent
Recommended Retest Date: 11/22/2020



05/25/2017 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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