

Certificate of Analysis

Product Description: Agar-Y_
Catalog Number: 4019012; 4019022; 4019032_
Lot: 143389_

Formula: N/A
CAS #: 9002-18-0
Physical Description: Tan Powder

Formula Weight: N/A
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Melting Point	80 - 90°C	88.9°C
Ash	≤6.5%	3.3%
Water	≤20%	9.9%
Gel Strength (1.5% soln, post autoclaving)	600 - 900 g/cm ²	900 g/cm ²
Gel Point (1.5% soln)	32 - 38°C	35.5°C
Solubility (1.5% soln) post autoclave	Clear Solution	Clear Solution

Sieve: >95% thru 60 mesh

Arsenic: <3 ppm

Lead: <5 ppm

Mercury: <1 ppm

Cadmium: <1 ppm

Turbidity (1.5% solution):

- before autoclaving: 4.6 NTU

- after autoclaving: 4.5 NTU

pH (1.5% solution) in gel:

- before autoclaving: 7.3

- after autoclaving: 7.2

Colorimetry (1.5% solution, Absorbance at 450 nm):

- before autoclaving: 0.135

- after autoclaving: 0.139

Gel Strength (before autoclaving): 910 g/cm²

Recommended Retest Date (MM/DD/YYYY): 09/30/2023



07/16/2020 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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<mailto:biotech@mpbio.com>

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