

Certificate of Analysis

Product Description: Agar-Y
Catalog Number: 4019012; 4019022; 4019032
Lot: 157482

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	88.8°C
Ash	≤6.5%	3.2%
Water	≤20%	9.3%
Gel Strength (1.5% soln, post autoclaving)	600 - 900 g/cm ²	870 g/cm ²
Gel Point (1.5% soln)	32 - 38°C	35.1°C
Solubility (1.5% soln) post autoclave	Clear Solution	Clear Solution

Sieve: >95% through 60 mesh

Arsenic: <3 ppm

Lead: <5 ppm

Mercury: <1 ppm

Cadmium: <1 ppm

Turbidity (1.5% solution, pre-autoclave): 4.6

Turbidity (1.5% solution, post-autoclave): 4.1

pH in gel (1.5% solution, pre-autoclave): 7.3

pH in gel (1.5% solution, post-autoclave): 7.2

Absorbance at 450 nm (1.5% solution, pre-autoclave): 0.119

Absorbance at 450 nm (1.5% solution, post-autoclave): 0.142

Gel Strength (1.5% solution, pre-autoclave): 870 g/cm²

Recommended Retest Date (MM/DD/YYYY): 11/30/2024



07/21/2021 - John Huang, PhD
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