

Certificate of Analysis

Date of Testing: 2024-01-03 16:06:50
Date of Next Testing: 2028-01-02 16:06:50
Product Name: **Agar**
CAS Number: 9002-18-0
Specifications & Purity: Molecular Biology Grade, for bacteria and yeast culture
Lot #: L2319165
SKU #: **A501173**
Analysis: **293478**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Loss on drying(105°C)	0-12 (%)	6.71 %
Lead(Pb)	0-5 (ppm)	0.00 ppm
Arsenic(As)	0-3 (ppm)	0.00000 ppm
Cadmium(Cd)	0-1 (ppm)	0.00 ppm
Mercury(Hg)	0-1 (ppm)	0.00 ppm
Particle size(80 mesh)	95-100 (%)	98.43000 %
Total ash (550°C) , w/%	0-5 (%)	2.01870 %
Acid insoluble ash	0-0.5 (%)	0.13 %
Gel strength(1.5%,20°C,4h)	800-1200 (g/cm ²)	855.00000 g/cm ²
Insoluble matter in H ₂ O	0-1 (%)	0.98 %
Total Plate Count	≤5000(CFU/g)	1000.00000 cfu/g
Total yeast and mould count	0-300 (cfu/g)	200.00000 cfu/g
Appearance(A501173)	Pale yellow to off white powder	Pale yellow to off white powder
Starch test	Negative	Negative
Gelatin test	Negative	Negative



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager