

## Certificate of Analysis

Date of Manufacture: July 18, 2022  
 Expiration Date: July 18, 2027  
 Product Description: **Bovine Serum Albumin**  
                                   **Standard Grade pH 7.0**  
                                   **Lyophilized Powder**  
                                   For Research or Further Manufacturing Use Only  
 Lot Number: **BBB2199101**  
 SKU Number: **68100**

### Analysis

<u>Analyte</u>	<u>Specification</u>	<u>Result</u>	<u>Method</u>
Appearance	White to yellow with tan to green cast powder	Pass	Visual Inspection
Purity	≥ 98.0%	100.0%	Agarose Gel Electrophoresis
Protein (Dry Basis)	≥ 98.0%	98.4%	Nitrogen Analysis
Moisture	≤ 5.0%	1.2%	Loss on Drying
Ash	< 2%	1.6%	Residue on Ignition
BlgG	None Detected	None Detected	Turbidimetric Analysis
Solubility	Clear to slightly hazy faint yellow to yellow-green solution	Pass	Visual Inspection, 4% in water
Protease	None Detected (<0.001 Units/mg)	None Detected	Enzymatic Assay
pH	6.5 to 7.5	7.1	10% solution in water
Heavy Metals (Pb)	≤ 10 ppm	< 0.50 ppm	ICP
Endotoxin	≤ 1 EU/mg	< 0.1 EU/mg	LAL
Total Microbial Count	≤ 500 CFU/g	< 1 CFU/g	USP<61>, EP2.6.12

During the manufacturing process, the material was subjected to a pH of ≤ 5 and a temperature ≥65°C for a minimum of 3 hours and was not commingled with any other material of animal origin.

\_\_\_\_\_  
 Name  
 Quality Department

\_\_\_\_\_  
 Date

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### Custom Specifications

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Mycoplasma	None Detected	None Detected	Culture
Adventitious Viral Agents	None Detected	None Detected	9 CFR 113.53(c) [113.46,113.47]
VSV	None Detected	None Detected	Virus Isolation
BT	None Detected	None Detected	Virus Isolation

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Name  
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