

Certificate of Analysis

Date of Manufacture: 08 April 2022
 Expiration Date: 08 April 2027
 Product Description: **Bovine Serum Albumin**
Standard Grade pH 7.0
Lyophilized Powder
 For Research or Further Manufacturing Use Only
 Lot Number: **NZB2098101**
 SKU Number: **69100**

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%	101.2%	Nitrogen Analysis
Moisture	≤ 5.0%	1.2%	Loss on Drying
Ash	< 2%	0.8%	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	6.9	10% solution in water
Heavy Metals (Pb)	≤ 10 ppm	< 1 ppm	ICP
Endotoxin	≤ 1 EU/mg	0.017 EU/mg	LAL
Total Microbial Count	≤ 500 CFU/g	< 1 CFU/g	EP2.6.12, ChP 1105

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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Analysis

<u>Analyte</u>	<u>Specification</u>	<u>Result</u>	<u>Method</u>
Asepsis	None Detected	None Detected	Culture
BVD Virus	None Detected	None Detected	Virus Isolation
Mycoplasma	None Detected	None Detected	Culture
Pathogen Inducing Cytopathy	None Detected	None Detected	Virus Isolation
Pathogen Inducing Haemadsorption	None Detected	None Detected	Virus Isolation
Sodium	FIO	3.5 mg/g	ICP
Potassium	FIO	<0.004 mg/g	ICP
Calcium	FIO	0.04 mg/g	ICP

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