

CERTIFICATE OF ANALYSIS

Product Name: Bovine Serum Albumin (BSA)

Chemical Structure:

N/A

Lot Number: BSAS601

CAT Number: APL-0017

CAS Registry Number: 9048-46-8

Manufacture Date: 06/2022

Expiry Date: 02/2025

Storage: 2-8°C

Analysis Data

Item	Method	Specification	Result
Appearance	N/A	White to off-white	Conforms
pH	USP <791>	6.5 ~ 7.2	6.9
Total protein	Kjeldahl method	≥ 96.0 %	100.8 %
Moisture	IR moisture balance	≤ 5.0 %	1.7 %
Ash	Thermogravimetric analysis	≤ 3.0 %	0.6 %
Solubility	6% w/v in DI H ₂ O	Soluble	Conforms
Purity	Electrophoresis	≥ 98.0 %	100 %
Fatty acid	Chromatography	≤ 0.05 %	0.02 %
Immunoglobulin	Single radial immunodiffusion	≤ 0.005 %	< 0.005 %
Endotoxin	USP <85>	≤ 10.0 EU/mg	< 0.243 EU/mg
Microbial content	Total plate count	≤ 100 cfu/g	< 100 cfu/g
Mycoplasma	Ph.Eur.2.6.7	Negative	Negative
Bovine Viral Diarrhoea Virus (BVDV)	Virus isolation	Negative	Negative
Infectious Bovine Rhinotracheitis (IBR)	Virus isolation	Negative	Negative
Parainfluenza Virus	Virus isolation	Negative	Negative

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Jennifer LaBrecque 07/2022
 Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO