



GEMINI
BIO-PRODUCTS

Certificate of Analysis

Created October 21, 2019

Product:

Bovine Serum Albumin (BSA)
Fraction V—Low Electrolyte
Powder

Catalog #: 700-109P

Lot #: C23J09K

Origin: United States (100%)

Manufacture Date: May 2019

Expiration Date: May 2022

TEST	METHODOLOGY	SPECIFICATION	RESULTS
Microbiological Testing			
Microbial Growth		≤ 3 CFU/mL	< 3 CFU/mL
Viral Testing	Modified 9 CFR 113.53c		
Extraneous Viruses (FAb)			
Bluetongue Virus		Not Detected	Not Detected
Vesicular Stomatitis Virus		Not Detected	Not Detected
Physical Testing			
pH @ RT, 10% Solution		4.9-5.2	5.0
Conductivity, 10% Solution		≤2,200 µS	375 µS
Biochemical Testing			
Purity	HPLC	≥98%	100%

Filtered through a 0.2 µm filter before lyophilizing

This material was prepared from bovine plasma obtained from cattle of less than 30 months of age and that have received ante- and post-mortem health inspections from APHIS Inspectors within facilities inspected by the USDA.

For Cell Culture, further Manufacturing and Research use only. Not for direct Therapeutic use.

[Signature] 21 OCT 2019
Created by/ date

[Signature] 21 OCT 2019
Verified by/ date