

## Certificate of Analysis

1 Reagent Lane  
 Fair Lawn, NJ 07410  
 201.796.7100 tel  
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	J10857	Quality Test / Release Date	12/16/2019
Lot Number	197413		
Description	ALBUMIN, BOVINE, FRACTION V, pH 7		
Country of Origin	United States	Suggested Retest Date	Dec/2022
Chemical Origin	Animal - Bovine		
BSE/TSE Comment	After examination of the information provided on the origin of raw materials and type of tissues used and on the manufacturing process for this substances on the site of production, we certify that the product Bovine Serum Albumin meets the criteria described in the current "Products with risk of transmitting agents of animal spongiform encephalopathies no. 1483 of the European Pharmacopoeia, current edition" including the supplements. Manufacture of the substance shall take place in with the suitable quality assurance system such as GMP.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Lyophilized Powder
ASSAY (by electrophoresis)	%	>= 98	100
IGNITION RESIDUE	%	<= 2.0	1.2
LOSS ON DRYING	%	<= 5.0	0.7
PROTEIN	%	>= 96	98.8
SOURCE		= BOVINE BLOOD	BOVINE BLOOD
pH at 25 DEGREES C (2.0% SOLUTION)		Inclusive Between 6.5 - 7.5	7.1



Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.  
 If there are any questions with this certificate, please call at (800) 227-6701.

\*Based on suggested storage condition.