



## CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Albumin, Bovine Cohn Fraction V (Bsa)Protease Free
ALBUMIN CONTENT:	>99% By Electrophoresis
BOVINE IGG:	None Detected
CAS NO:	9048-46-8
CAT. NO:	I100-10
EC NO:	232-936-2
EXPIRATION:	3 YEARS
FORM:	Lyophilized
HEAVY METALS:	< 0.1PPM
MOLECULAR WEIGHT:	66317.8
PH:	7.0-7.2
PROTEASE:	Below Detection Limits
PROTEIN:	>99%
SOLUBILITY:	Completely Soluble
SOURCE:	Bovine
Storage:	2-8 C

BOVINE SERUM ALBUMIN (BSA)bulk quantities in 10,50 and 100 KGS lot sizes. Bovine serum albumin BSA custom fills available. Lee Biosolutions is able to prepare custom buffers for bovine serum albumin BSA on bulk orders

Bovine Serum Albumin solubility: Albumins are readily soluble in dionized water and can only precipitated by high concentrations of nuetral salts. Bovine Serum Albumin BSA help stabilize other solubilized proteins. Bovine Serum albumin BSA is readily coagulated with heat. Bovine serum albumin BSA as with other albumins are acidic proteins which occur in abundance in body fluids and tissues. Bovine serum albumin BSA is easily crystalized.

Bovine serum albumin (BSA) can be used as a diluent or a blocking agent in numerous applications including elisas (Enzyme-Linked Immunosorbent Assay), blots and immunohistochemistry. In restriction digests, bovine serum albumin BSA is used to stabilize some enzymes



during digestion of DNA and to prevent adhesion of the enzyme to reaction tubes and other vessels. Bovine Serum Albumin (BSA) does not affect other enzymes that do not need it for stabilization. Bovine Serum Albumin (BSA) is used because of its stability.

Bovine Serum Albumin also known as Bovine Plasma Albumin, is a single polypeptide chain consisting of about 583 amino acid residues and no carbohydrates. Bovine Serum Albumin (BSA) REF: The plasma proteins: Structure, Function and Genetic control, 2nd edition, Putman, Vol 1, p. 41,147. 1975

Animal source material from which this product was derived was collected at a USDA licensed establishment. The animals received ante and post mortem health inspection by a US Veterinarian Inspector and were apparently free from infectious and contagious diseases. Animal source material was sourced from the United States. All feeds used were in accordance to FDA regulation 21 CFR 589.2000 which prohibits the use of animal proteins in ruminant feeds. This product is offered for Research, Laboratory or Further Manufacturing Use Only. Final determination of suitability of this product is the sole responsibility of the user