

BOVINE SERUM ALBUMIN (*FRACTION V*), pH 7

Catalogue no.: 800-095-**

M.W.: 66.43 kDa (66.43 kg/mol)

Lot no.: 800095052

MSDS: Available upon request

Exp.Date: 05/2028

Shipping: Ambient

CAS number: 9048-46-8

Storage: Store refrigerate at 2 to 8°C in a well-sealed container.

TEST	SPECIFICATION	UNITS	RESULTS
Appearance	White to yellow with tan to green cast powder	-----	Meet specification
Protein (Nitrogen Analysis)	> 96.0	%	100.5
pH (10% Solution)	6.5 – 7.5	-----	6.9
Purity (Electrophoresis)	> 96.0	%	100
Moisture (Loss on drying)	< 5.0	%	0.8
Endotoxin (LAL)	< 10	EU/mg	< 0.1
Total Microbial Count	<500	CFU/g	< 1
Solubility (4% w/v in DI water)	Clear to slight haze yellow to green solution	-----	Meet specification
Ash (Residue on Ignition)	< 3.0	%	1.4

Solubility: Albumins are readily soluble in water and can only be precipitated by high concentrations of neutrals salts such as ammonium sulfate. The solution stability of BSA is very good (especially if the solutions are stored as frozen aliquots). Albumins are frequently used as stabilizers for other solubilized proteins. However, albumin is readily coagulated by heat (50°C or above). It forms aggregates which do not revert.

ADDITIONAL INFORMATION: This material does not contain, nor is derived from Specified Risk materials as defined in Commission decision 97/534/EC.

THIS PRODUCT IS INTENDED FOR RESEARCH USE ONLY. IT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.