



## TECHNICAL DATA SHEET

TDS-BAH66

Revision 000

Effective Date: June 1, 2018

### BOVINE SERUM ALBUMIN FATTY ACID FREE POWDER

**METHOD OF PURIFICATION:** Heat shock fractionation and proprietary steps to ensure a low level of fatty acids.

**USES:** This material is normally used in Serum Free Media as a carrier protein for trace elements, fatty acid, hormones and growth factors. Fatty Acid Free BSA allows the formulation of albumin with specific fatty acids to enhance cell culture system performance. It is a preferred alternative in assays where the presence of lipids or fatty acids compromises hormone or cholesterol readouts. Every batch is guaranteed to be  $\leq 0.02\%$  total fatty acids.

#### **SPECIFICATIONS:**

Form:	Powder
Color:	Off-white
Moisture:	$< 5.0\%$
Ash:	$< 3.0\%$
Product pH (4% solution in DI H <sub>2</sub> O):	6.5-7.5
Heavy Metals (lead):	$\leq 0.1$ ppm
Albumin (electrophoresis):	$\geq 98\%$
Protein concentration:	$\geq 96.0\%$
Solubility (A <sub>550</sub> ):	$\leq 0.30$
NEFA fatty acid content:	$\leq 0.02\%$

<b>CATALOG NUMBER</b>	<b>SIZE</b>
BAH66-0050	50gm
BAH66-0100	100gm
BAH66-0500	500gm
BAH66-1000	1Kg
BAH66-10000	10Kg

**SCREENING AND STORAGE:** This BSA is stable for  $\geq 5$  years when stored at  $+5^{\circ}\text{C} \pm 3^{\circ}\text{C}$  in sealed dry containers. Store lyophilized powder refrigerated at  $5^{\circ}\text{C} \pm 3^{\circ}\text{C}$  in sealed containers. Store reconstituted material frozen at  $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ . Avoid repeated freezing and thawing. Lyophilized powder is shown to be stable at ambient temperature for short term storage or shipping.

The raw material for this product was collected from animals in the USA in establishments registered with the USDA. The animals received ante and post-mortem inspections under a veterinarian's supervision and were apparently free from infectious and contagious diseases. At no time during collection or processing was the material commingled with any other material of animal origin. All raw materials are screened to confirm negative for Blue Tongue Virus and Vesicular Stomatitis Virus. During processing this material was subjected to a pH of  $\leq 5$  for at least 3 hours. This product is sold for use in IVD, research, further manufacturing, or technical purposes only, and is not intended for direct use in diagnostic or therapeutic applications.