



## Specification Document

### **Bovine Serum Albumin Reagent Grade Powder pH 7.0 Catalog # 7500804**

Lampire Biological Laboratories Bovine Serum Albumin (BSA) is a highly soluble white to yellow with tan to green cast lyophilized powder. The BSA is derived from plasma of USDA-inspected healthy animals.

#### Specifications and Typical Values:

<b>Analysis</b>	<b>Specification</b>	<b>Typical</b>
Protein (dry basis)	$\geq 98.0 \%$	$> 99.0\%$
Purity (albumin)	$\geq 98 \%$	100%
Solubility (4% water)	Clear to slightly hazy	Clear to slightly hazy
Moisture	$\leq 5.0\%$	$< 2.0\%$
pH (10% water)	6.5 to 7.5	6.8 to 7.2
Ash	$< 2\%$	1 %
Protease	$\leq 0.005$ Units/mg	$\leq 0.005$ Units/mg
NEFA	$< 0.01\%$	$< 0.005\%$
Bovine IgG	Not Detected	Not Detected
Endotoxin	$\leq 3$ EU/mg	$\leq 0.1$ EU/mg
Heavy Metals (Pb)	$\leq 10$ ppm	$< 1$ ppm

Note: Na, Cl, K, P, and Ca are tested and can be reported on the Certificate of Analysis, if requested.

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