

# Product Data Sheet

## Bovine Serum Albumin - Protease Free, U.S. origin

Order No.	BSA-xxxxPF	BSA-0010PF	(10 g)
		BSA-0100PF	(100 g)
		BSA-1000PF	(1000 g)
Product description	BSA-xxxxPF is an off-white, 98 % minimum, lyophilized BSA powder adjusted to pH 7.0 processed to be essentially free of any detectable protease. BSA-xxxxPF is suitable for diagnostic reagent manufacturing and used for immunodiagnostic assays such as RIA and ELISA. BSA-xxxxPF is also a model protein used for blood banking reagents.		
Product features	<ul style="list-style-type: none"> <li>• Highly purified product absent of protease</li> <li>• Highly soluble, crystalline powder that forms clear, particle-free solutions with water</li> <li>• Complete traceability of raw materials and finished product</li> <li>• Manufactured under cGMP in a USDA-site registered facility</li> <li>• Incoming feed stock only collected from U.S.-origin healthy animals that undergo extensive ante- and post-mortem inspections according to strict USDA requirements</li> <li>• Available for export under EU Regulation (EC) No 1069/2009 and Regulation (EU) No 142/2011</li> </ul>		
Storage	2 – 25 °C for up to 3 years		

For research or manufacturing use only. Not for use in diagnostic procedures.

### Analysis:

	Specification	Typical
Protein purity	Min. 98 %	100 %
Presence of protease	None detected	None detected
Loss on drying	Max. 5 %	0.7 %
pH (10 % solution)	6.7 – 7.3	6.9
Conductivity (10 % solution)	Max. 3000 µS	1050 µS
Sodium content (10 % solution)	Max. 50 mEq/L	21 mEq/L
Chloride content (10 % solution)	Max. 50 mEq/L	1 mEq/L
Presence of IgG	Below detectable limits	Below detectable limits
Absorbance at 440 nm (4 % solution)	< 0.100	0.060
Absorbance at 550 nm (4 % solution)	< 0.100	0.024
Microbial content	Max. 3 CFU/mL	0 CFU/mL
Virus testing		
a) <i>Vesicular stomatitis</i>	Negative	Negative
b) <i>Bluetongue</i>	Negative	Negative

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