

Table of Albumins

Product Specifications

Product Specification	#11920 Albumin bovine cryst., lyophil.	#11922 Albumin bovine Fraction V, pH 5.2 standard grade	#11924 Albumin bovine Fraction V, receptor grade	#11926 Albumin bovine Fraction V, Protease-free	#11930 Albumin bovine Fraction V, pH 5.2 standard grade	#11932 Albumin bovine Fraction V, fatty acid free
Purity (% Albumin) by CAF-Electrophoresis	99 - 100	98 - 100	98 - 100	98 - 100	98 - 100	98 - 100
Protein (% protein Factor 6.22) by nitrogen analyzer, dry weight basis	98 - 100	96 - 100	98 - 100	95 - 100	96 - 100	98 - 100
Moisture (% , KF)	0 - 5.0	0 - 5.0	0 - 5.0	0 - 5.0	0 - 5.0	0 - 5.0
pH (7 % solution)	5.0 - 5.4	5.0 - 5.6	6.8 - 7.2	6.8 - 7.2	6.8 - 7.2	6.8 - 7.2
Residual IgG by radial immunodiffusion			not detected	not detected	not detected	
Total lipids (mg/g) by gravimetric analyzer			0 - 3.5			0 - 2.0
Free fatty acids (mg/g) by chromatography			0 - 1.0			0 - 2.0
Esterified fatty acids (mg/g) by chromatography			0 - 1.5			0 - 1.0
Heavy metals (µg/g) by AA			0 - 20.0			
Iron (µg/g) by AA			0 - 5.0			
Calcium (mg/g) by AA			0 - 0.5			
Sodium (mg/g) by flame photometer	0 - 5.0	0 - 5.0	0 - 10.0	0 - 15.0	0 - 10.0	0 - 10.0
Lactate (mg/g) by enzyme assay			0 - 0.5			
Uric acid (mg/dL) by colorimetry (7 % solution)			0 - 4			
Protease by casein hydrolysis				not detected		
Endotoxin (EU/mg) by LAL						

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Product Specification	#11943 Albumin bovine Modified Cohn Fraction V, pH 7.0	#11945 Albumin bovine Fraction V, Protease and fatty acid free, diagnostic grade	#11946 Albumin bovine Fraction V, pH 7.0, Life science grade	#47321 Albumin bovine low endotoxin, biotechnology grade	#47330 Albumin bovine Fraction V Cell culture grade
Purity (% Albumin) by CAF-Electrophoresis	> 98	> 98	> 98	97 - 100	> 96
Protein (% protein Factor 6.22) by nitrogen analyzer, dry weight basis	> 98	> 98	> 96	96 - 100	> 96
Moisture (% , KF)	< 5	< 5	< 5	0 - 8.0	< 5
pH (7 % solution)	6.5 - 7.5	6.5 - 7.5	6.8 - 7.2 ¹⁾	5.0 – 6.0	6.5 - 7.5
Residual IgG by radial immunodiffusion		not detected	< 50 µg	not detected	
Total lipids (mg/g) by gravimetric analyzer					
Free fatty acids (mg/g) by chromatography		< 0.1			
Esterified fatty acids (mg/g) by chromatography					
Heavy metals (µg/g) by AA	< 10	< 10	< 20		< 10
Iron (µg/g) by AA					
Calcium (mg/g) by AA					
Sodium (mg/g) by flame photometer				0 – 10.0	
Lactate (mg/g) by enzyme assay					
Uric acid (mg/dL) by colorimetry (7 % solution)					
Protease by casein hydrolysis	not detected	not detected			
Endotoxin (EU/mg) by LAL		< 3		0 – 10.0	< 3

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1) 1 % in 0.15 M NaCl