

Table of Albumins

Product Specification (Part 1)	# 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 7.0 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	5.2 – 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)			3 – 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						
DNase/RNase						

Table of Albumins

Product Specification (Part 2)	# 11934 Albumin bovine Fraction V, pH 7.0 microbiological grade	# 11941 Albumin bovine Modified Cohn Fraction V, pH 5.2	# 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 Life Science grade	# 11947 Albumin bovine Low hormone
Purity (% Albumin) (by CAF-Electrophoresis)	98 - 100	> 96	> 98	> 98	> 98	> 97
Protein (% protein Factor 6.22) (by nitrogen analyzer, dry weight basis)	98 - 100	> 96	> 98	> 98	> 96	> 92
Moisture (% , KF)	0 – 5:0	< 5	< 5	< 5	< 5	0 – 5.0
pH (7 % solution)	6.8 – 7.2	5.0 – 5.6	6.5 – 7.5	6.5 – 7.5	6.8 – 7.2 ¹⁾	6.5 – 7.4 ²⁾
Residual IgG (by radial immunodiffusion)				not detected	< 50 µg	
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	
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		not detected
Endotoxin (EU/mg) by LAL				<3		<3
DNase/RNase						

1) 1 % in 0.1.5 m NaCl

2) 10 % solution in H₂O

Table of Albumins

Product Specification (Part 3)	#11967 Albumin bovine DNase/RNase-free molecular biology grade	# 47299 Albumin bovine Fraction V very low Endotoxin, fatty acid free	# 47321 Albumin bovine Low Endotoxin biotechnology grade	# 47324 Albumin bovine Fraction V, very low Endotoxin	# 47326 Albumin bovine Fraction V, Low Endotoxin pH 7.0 biotechnology grade	# 47330 Albumin bovine Cell culture grade
Purity (% Albumin) (by CAF-Electrophoresis)	> 97	98 - 100	97 - 100	98 - 100	> 98	> 96
Protein (% protein Factor 6.22) (by nitrogen analyzer, dry weight basis)	> 92	96 - 100	96 - 100	6 - 100	> 96	> 96
Moisture (% , KF)	0 – 5.0	0 – 5:0	0 – 8:0	0 – 5:0	< 5	< 5
pH (7 % solution)	6.5 – 7.4	6.8 – 7.2	5.0 – 6.0	6.8 – 7.2	6.5 – 7.5	6.5 – 7.5
Residual IgG (by radial immunodiffusion)		not detected	not detected	not detected	not detected	
Total lipids (mg/g) (by gravimetric analyzer)		0 – 2.0				
Free fatty acids (mg/g) (by chromatography)		0 – 2.0				
Esterified fatty acids (mg/g) (by chromatography)		0 – 1.0				
Heavy metals (µg/g by AA)						< 10
Iron (µg/g) by AA						
Calcium (mg/g) by AA						
Sodium (mg/g) by flame photometer		0 – 10.0	0 – 10.0	0 – 10.0		
Lactate (mg/g) by enzyme assay						
Uric acid (mg/dL) by colorimetry (7 % solution)						
Protease by casein hydrolysis						
Endotoxin (EU/mg) by LAL		0 – 2.0	0 – 10.0	0 – 2.0	< 3	< 3
DNase/RNase	not detected					