# 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 7.0 standard grade | **# 11931 Albumin bovine Cohn Fraction V,** pH 7.0 |
|---|---|---|---|---|---|---|
| Purity (% Albumin) (by CAF-Electrophoresis) | 99 - 100 | 98 – 100 | 98 - 100 | 98 - 100 | 98 - 100 | > 96 |
| Protein (% protein Factor 6.22) (by nitrogen analyzer, dry weight basis) | 98 - 100 | 96 - 100 | 98 - 100 | 95 - 100 | 96 - 100 | > 96 |
| Moisture (%, KF) | 0 - 5.0 | 0 - 5.0 | 0 - 5.0 | 0 - 5.0 | 0 - 5.0 | 0 - 6.0 |
| 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 | | | |
| Free fatty acids (mg/g) (by chromatography) | | | 0 - 1.0 | | | |
| Esterified fatty acids (mg/g) (by chromatography) | | | 0 - 1.5 | | | |
| Heavy metals (µg/g by AA) | | | 0 - 20.0 | | | < 50 |
| Iron (µg/g) by AA | | | 0 - 5.0 | | 0 - 15.0 | |
| 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 | |
| Lactate (mg/g) by enzyme assay | | | 0 - 0.5 | | | |
| Uric acid (mg/dL) by colorimetry (7 % soution) | | | 0 - 4 | | | |
| Protease by casein hydrolysis | | | | not detected | | |
| Endotoxin (EU/mg) by LAL | | | | | | |
| Nuclease by spectro-photometer at 260 nm | | | | | | |

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| **Product Specification** | **# 11932 Albumin bovine Fraction V** fatty acid free | **# 11934 Albumin bovine** Fraction V, pH 7.0 microbiological grade | **# 11940 Albumin bovine** acetylated, nuclease free | **# 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 dagnostic grade |
|---|---|---|---|---|---|---|
| Purity (% Albumin) (by CAF-Electrophoresis | 98 - 100 | 98 – 100 | 99 - 100 | > 96 | > 98 | > 98 |
| Protein in % protein Factor 6.22 by nitrogen analyzer, dry weight basis | 96 - 100 | 96 – 100 | 96 - 100 | > 96 | > 98 | > 98 |
| Moisture (%, KF) | 0 - 5.0 | 0 – 5.0 | 0 - 5.0 | < 5 | < 5 | < 5 |
| pH (7 % solution) | 6.8 - 7.2 | 6.8 - 7.2 | 6.8 – 7.2 | 5.0 -5.6 | 6.5 - 7.5 | 6.5 - 752 |
| Residual IgG by radial immunodiffusion | | | | | | not detected |
| Total lipids (mg/g) by gravimetric analyzer | 0 - 2.0 | | | | | |
| Free fatty acids (mg/g) by chromatography | 0 - 0.2 | | | | | < 0.1 |
| Esterified fatty acids (mg/g) (by chromatography | 0 - 1.0 | | | | | |
| Heavy metals (µg/g) by AA | | | | | < 10 | < 10 |
| Iron (µg/g) by AA | | | | | | |
| Calcium (mg/g) by AA | | | | | | |
| Sodium (mg/g) by flame photometer | 0 - 10.0 | 0 - 10.0 | | | | |
| Lactate (mg/g) by enzyme assay | | | | | | |
| Uric acid (mg/dL) by colorimetry (7 % soution) | | | | | | |
| Protease by casein hydrolysis | | | | | not detected | not detected |
| Endotoxin (EU/mg) by LAL | | | | | | < 3 |
| Insulin (µ units/g) by radio Immunassay | | | | | | |
| Nuclease by spectro-photometer at 260 nm | | | not detected | | | |

| **Product Specification** | **# 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 | 98 - 100 | 97 - 100 | 98 – 100 | > 98 | > 96 |
| Protein in % protein Factor 6.22 by nitrogen analyzer, dry weight basis | 96 - 100 | 96 - 100 | 96 - 100 | > 98 | > 96 |
| Moisture (%, KF) | 0 - 5 .0 | 0 - 8.0 | 0 - 5 .0 | < 5 | < 5 |
| pH (7 % solution) | 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 - 0.2 | | | | |
| Esterified fatty acids (mg/g) (by chromatography | 0 - 1.0 | | | | |
| Heavy metals (µg/g) by AA | | | | | |
| 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 % soution) | | | | | |
| Protease by casein hydrolysis | | | | | |
| Endotoxin (EU/mg) by LAL | 0 - 2.0 | 0 - 10.0 | 0 - 2.0 | < 3 | < 3 |
| Insulin (µ units/g) by radio Immunassay | | | | | |
| Nuclease by spectro-photometer at 260 nm | | | | | |