CERTIFICATE OF ANALYSIS / ORIGIN

SERVA serving scientists

Albumin bovine Fraction V	**Cat.No. : 11924**
receptor grade, lyophil.	**Contr.No.: 250177**

Parameter	Method	Specification	Result
Molecular weight		ca. 67 000	
Protein (%) (protein factor 6.22)	Nitrogen Analyzer dry weight basis	98 – 100	100
Purity (%) (albumin, 7 % solution)	Cellulose Acetate Electrophoresis	98 – 100	100
pH	7 % solution	6.8 – 7.2	7.0
Sodium (mg/g)	Flame Photometer	0 – 10.0	4.2
Chloride (mg/g)	Coulometric Titrator	0 – 3.0	0.6
Calcium (mg/g)	Atomic Absorption	0 – 0.5	0.01
Iron (µg/g)	Atomic Absorption	0 – 5.0	1.4
Heavy metals (µg/g)	Atomic Absorption	0 – 20.0	6.2
L-Lactate (mg/g)	Enzymatic Assay	0 – 0.5	0.0
Uric Acid (mg/dL)	Colorimetry (7 % solution)	0 – 4	0
Urea nitrogen (mg/dL)	Colorimetry (7 % solution)	0 – 7	0
Total lipids (mg/g)	Supercritical Fluid Extraction	0 – 3.5	1.5
Free fatty acids (mg/g)	Chromatography	0 – 1.0	0.4
Esterified fatty acids (mg/g)	Chromatography	0 – 1.5	< 0.1
IgG	Radialimmunodiffusion	none detected	none detected
Moisture (%)	Karl Fischer	0 – 5.0	< 5.0
Minimum shelf life			31.01.2028
Storage (°C)			+2 to +8

SERVA Electrophoresis GmbH

The product has been subjected to a heat treatment at a temperature of at least 65 °C for a period of at least 3 hours.
It is certified that the product is derived from bovine blood collected from US sourced cattle slaughtered at a USDA licensed establishment located in the USA. The bovine plasma/serum was derived from US sourced animals under 30 months of age that were not stunned using a penetrating device that injects air into the cranial cavity. During the collection process appropriate precautions were taken not to contaminate the serum/plasma with specified risk materials (SRM) as defined by the USDA. The material does not contain, nor is derived from SRM as defined in REGULATION (EC) 999/2001. All cattle received ante- and post mortem health inspection under a veterinarian´s supervision at the abattoir and were apparently free from infectious and contagious diseases and injurious parasites. Ruminant materials used in the manufacture of this product are not originated from BSE related herds. The record of each raw material collection is incorporated into the manufacturing records and veterinary certificates are maintained on file at the manufacturing site. At the time of manufacture of this lot of material, the US is classified as an OIE negligible BSE risk country in accordance with Chapter 11.4 of the Terrestrial Code and is free from rinderpest, foot-and-mouth disease, and contagious bovine pleuropneumonia.

We do not guarantee that the product can be used for a special application.
This document does not release you from performing the standard control upon receipt of incoming goods.

SERVA Electrophoresis GmbH
Quality Control

Printing date: 06.03.2025

Dr. Judith Koch

Daniela Lux-Helmstetter

This report has been computer generated and does not contain a signature.

SERVA Electrophoresis GmbH • D-69115 Heidelberg • Carl-Benz-Straße 7
Tel.: +49 6221 13840-0 • Fax: +49 6221 13840-10 • E-Mail: info@serva.de • https://www.serva.de