

## CERTIFICATE OF ANALYSIS

			.No. : 11945 htr.No.: 161165
Parameter	Method	Specification	Result
Molecular weight		ca. 67 000	
Appearance	Visual inspection	white to yellow with tan to green cast lyophilisate	corresponds
Solubility	4 % in H <sub>2</sub> O	clear to slightly hazy, faint yellow to yellow- green solution	corresponds
<b>Protein (%)</b> protein factor 6.22	Nitrogen analyzer dry weight basis	≥98	100.5
Purity (%)	Agarose zone electrophoresis	≥98	100
рН	10 % solution	6.5 – 7.5	7.0
Moisture (%)	Loss on drying	0-5.0	0.7
Ash (%)	Residue on ignition	$\leq 2$	1.1
IgG (bovine)	Turbidimetric analysis	not detected	not detected
Protease	Enzymatic assay	$\leq 0.005 \text{ U/mg}$	< 0.005 U/mg
Fatty acids (%)	Enzymatic assay	< 0.01	< 0.001
Heavy metals (ppm) 😏	Atomic absorption	< 10	< 0.51
Endotoxin (EU/ mg)	LAL	< 3	< 0.1
Minimum shelf life			24.03.2020
Storage (°C)			+2 to +8

This product was derived from bovine blood collected at a USDA licensed establishment located in the United States. The animals received ante- and post-mortem health inspection at the abattoir by a Veterinary Medical Officer, USDA Food Safety and Inspection Services, and they were apparently free from infectious and contagious diseases and injuries parasites.

During the manufacturing process, the material was subjected to a pH of  $\leq 5$  and a temperature in excess of 65°C for at least 3 hours and was not commingled with any other material of animal origin. Blood collection records are incorporated into the manufacturing batch documents

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**: 19.12.2016

Dipl.-Ing. (FH) Bernhard Göckel

Christian Monsler

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SERVA Electrophoresis GmbH • D-69115 Heidelberg • Carl-Benz-Str. 7 • Tel.: +49 6221 138 40-0 • Fax +49 6221 138 40-10 Geschäftsführer: Dr. Barbara Müller, Dr. Manfred Kurfürst • HRB 336136 AG Mannheim • E-Mail: info.serva.de • http://www.serva.de COMMERZBANK BLZ: 672 400 39 Kto: 190 38 30 00 • IBAN: DE90 6724 0039 0190 3830 00 • BIC: COBADEFFXXX • Ust.ID-Nr.: DE 812 517 285