



Rocky Mountain Biologicals, Inc

Certificate of Analysis

Porcine Serum- Sterile Filtered, Heat Inactivated, Gamma Irradiated*, US origin

Product number: PSF-BHG-XXX

Lot Number: 20140512PS

Date of Manufacture: 05/2014

Expiration date: 05/2019

Storage temperature: -20 to -5°C



Not for human or animal consumption

Basis for Release

Chemical Analysis			Microbiological Analysis		
Test / Method	Specification	Result	Test / Method	Specification	Result
Total Protein	6.0-9.5 g/dL	7.5 g/dL	Sterility per 9CFR	No Growth	No Growth
Albumin	As Reported	4.9 g/dL	Mycoplasma per 9CFR	Not Detected	Not Detected
Globulin	As Reported	2.6 g/dL	Endotoxin	As Reported	<30 EU/mL
Bilirubin	As Reported	0.2 mg/dL	Viral Analysis per 9CFR		
ALT	As Reported	37 U/L	Test / Method	Specification	Result
AST	As Reported	213 U/L	BVD	Not Detected	Not Detected
Cholesterol	As Reported	98 mg/dL	PPV	Not Detected	Not Detected
Glucose	As Reported	200 mg/dL	TGE	Not Detected	Not Detected
Urea	As Reported	14 mg/dL	PAV	Not Detected	Not Detected
Creatinine	As Reported	1 mg/dL	HEV	Not Detected	Not Detected
Sodium	As Reported	135.0 mmol/L	Hemadsorption	Not Detected	Not Detected
Potassium	As Reported	10.9 mmol/L	REO Virus	Not Detected	Not Detected
Calcium	As Reported	9.8 mg/dL	Rabies	Not Detected	Not Detected
Phosphorus	As Reported	13.4 mg/dL	CPE	Not Detected	Not Detected
Osmolality	206-345 mOsm/Kg	311 mOsm/Kg	PRRS	Not Detected	Not Detected
Hemoglobin	As Reported	30 mg/dL	PCV 1	Not Detected	Not Detected
pH	6.0-8.5	7.9	PCV 2	Not Detected	Not Detected
			Identity Analysis		
			Test / Method	Specification	Result
			Electrophoresis Pattern	Characteristic	Characteristic
			Appearance	Clear Amber Solution	Clear Amber Solution

* All test results reported on this C of A are from representative batch samples prior to irradiation.

This serum has been derived from blood collected in approved abattoirs. The serum was processed and filtered in the USA. The country of origin of the crude blood (porcine origin) is the USA.

Approval

Quality Assurance – Print Name: <i>Terri Sorensen</i>	Quality Assurance – Sign Name: <i>TK Sorensen</i>	Date: 04/10/15
--	--	-------------------

PRODUCT MEETS EUROPEAN UNION REQUIREMENTS FOR TREATED TECHNICAL BLOOD PRODUCTS:
IRRADIATION AT A MINIMUM OF 25 kGy BY GAMMA RAYS.

6015 Greg's Way, Missoula, MT 59808 USA
Tel: 406-541-7624 Fax: 406-541-7615
www.rmbio.com