

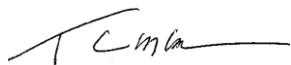
Certificate of Analysis

PRODUCT: Rabbit Serum, Sterile, Trace-Hemolyzed, Heat Inactivated**CODE NO:** 31121**CUSTOMER PART NO:** 12309**LOT NO:** 16441**DATE OF
MANUFACTURE:** June 13, 2019**DATE OF EXPIRATION:** June 13, 2021**ORIGIN:** U.S.A.**STORAGE:** -10 °C or below**EU
REQUIREMENTS:** Product meets EU requirements for production of technical blood products.**HEALTHY
ANIMAL
STATEMENT:** This product is made from raw materials that were collected from animals found free from obvious signs of infectious and contagious disease.**PROCEDURE:** Whole blood from young healthy rabbits (New Zealand White and/or California White, 8–12 weeks of age, either sex and fasted) is collected at the time of slaughter, processed within 6 hours, and frozen. The serum is thawed, pooled, heat inactivated for 60 minutes at 56 °C, pre-filtered with a filter press, filtered with a 0.22µm filter, bottled, and frozen.**ASSAYS:**

Required Assays	Specification	Result
Total Protein	5.0 – 7.5 g/dL	5.3 g/dL
Hemoglobin	≤ 45 mg/dL	20 mg/dL
pH	Report result	7.9
Sterility	No growth at 14 days.	Passed.
Bioburden	Report result	Heat tank: 0 cfu/plate Pressure tank: 0 cfu/plate
Endotoxin	≤ 200 EU/mL	11 EU/mL
Glucose	≥100 mg/dL	129 mg/dL

QUALITY ASSURANCE

Quality Control Release Date: August 13, 2019

Theresa Kwasny
Quality Systems Manager**Final results pending** ☐**Meets or exceeds specifications** ☒**Does not meet specifications** ☐**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**