

Certificate of Analysis

PRODUCT: Bovine Serum, Mature, Non-Hemolyzed, Sterile**CODE NO:** 37225**LOT NO:** 17940**DATE OF
MANUFACTURE:** June 28, 2018**STORAGE:** At or below -10 °C**ORIGIN:** U.S.A.**EU 142/2011:** AR TEC 0007**EU
REQUIREMENTS:** Product meets European Union requirements for production of technical blood products.**HEALTHY
ANIMAL
STATEMENT:** This product is made from raw materials that were collected from animals and found free from obvious signs of infectious and contagious disease.**PROCEDURE:** Bovine whole blood is collected from mature healthy animals (any breed, either sex, sexually mature) refrigerated within 6 hours of collection, processed within 24 hours and frozen at or below -10 °C. The serum is thawed and passed through a 0.22 micron filter, bottled and returned to -10 °C or below.

ASSAYS:	Required Assays	Specification	Result
	Total Protein:	6.3 – 8.9 g/dL	6.8 g/dL
	Hemoglobin:	≤ 20 mg/dL	9 mg/dL
	pH:	7.0 – 8.5	8.0
	Sterility:	No growth at 14 days.	Passed

QUALITY ASSURANCE

Quality Control Release Date: July 13, 2018

Doug Stocker
Quality Systems Technician**Meets or exceeds specifications** ☒**Does not meet specifications** ☐**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**