

Certificate of Analysis

PRODUCT: Goat Serum, Sterile, Non-Hemolyzed, Delipidized**CODE NO:** 32117**LOT NO:** 34038**DATE OF
MANUFACTURE:** December 5, 2016**STORAGE:** At -10 °C or below**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 found free from obvious signs of infectious and contagious disease.**PROCEDURE:** Whole blood is collected from healthy, sexually mature goats (any breed), refrigerated within 6 hours, processed within 24 hours and frozen. The serum is then thawed in a water bath, pooled and processed to remove lipids. Delipidized serum is passed through a 0.22-micron filter, bottled, and stored at -20 °C.**ASSAYS:**

Required Assays	Specification	Result
Total Protein:	6.0 – 8.0 g/dL	6.6 g/dL
Hemoglobin:	≤ 20 mg/dL	8 mg/dL
pH:	7.0 – 8.5	7.5
Sterility:	No growth at 14 days	Passed. No growth at 14 days.

QUALITY ASSURANCE

Quality Control Release Date: December 21, 2016

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