

Certificate of Analysis

PRODUCT: Goat Serum, Ultra Non-Hemolyzed, Donor Herd, Sterile**CODE NO:** 32130**LOT NO:** 20139**DATE OF
MANUFACTURE:** July 20, 2017**STORAGE:** -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:** Mature goat blood (donor herd, wethers, U.S. Origin) is refrigerated within 2 hours of collection, processed within 24 hours, and frozen. The serum is thawed, sterile filtered through a 0.22 micron filter, bottled, and stored at -10°C or below.

ASSAYS:	Required Assays	Specification	Result
	Total Protein:	6.0 – 8.0 g/dL	6.5 g/dL
	Hemoglobin:	≤ 10 mg/dL	10 mg/dL
	pH:	7.0 – 8.5	7.7
	Sterility:	No growth at 14 days	Passed. No growth at 14 days.

QUALITY ASSURANCE

Quality Control Release Date: August 7, 2017

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