

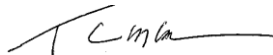
## Certificate of Analysis

**PRODUCT:** Goat Serum, Sterile, Non-Hemolyzed, Delipidized**CODE NO:** 32117**LOT NO:** 10442**DATE OF  
MANUFACTURE:** April 13, 2020**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	6.5 g/dL
Hemoglobin:	≤ 20 mg/dL	10 mg/dL
pH:	7.0 – 8.5	7.8
Sterility:	No growth at 14 days	Pass

**QUALITY ASSURANCE**

Quality Control Release Date: April 30, 2020

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