

## Certificate of Analysis

**PRODUCT:** Goat Serum, Sterile, Non-Hemolyzed, Delipidized

**CODE NO:** 32117

**LOT NO:** 13341

**DATE OF  
MANUFACTURE:** May 13, 2019

**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	6.3 g/dL
Hemoglobin:	≤ 20 mg/dL	8 mg/dL
pH:	7.0 – 8.5	7.8
Sterility:	No growth at 14 days	Passed

**QUALITY ASSURANCE**

Quality Control Release Date: June 6, 2019



Sarah Graves  
Quality Systems Technician

**Meets or exceeds specifications**

**Does not meet specifications**

**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**