

## Certificate of Analysis

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

**CODE NO:** 32117

**LOT NO:** 12542

**DATE OF MANUFACTURE:** May 4, 2020

**STORAGE:** At -20 °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 found free from obvious signs of infectious and contagious disease.

**PROCEDURE:** Animals were from a donor herd that originated in the U.S.A. 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	6.4 g/dL
Hemoglobin:	< 20 mg/dL	10 mg/dL
pH:	7.0 – 8.5	7.7
Sterility:	No growth at 14 days	Pass

**QUALITY ASSURANCE**

Quality Control Release Date: May 19, 2020



Doug Stocker  
Quality Systems Technician

**Meets or exceeds specifications**   
**Does not meet specifications**

**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**