

Certificate of Analysis

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

CODE NO: 32117

LOT NO: 31641

**DATE OF
MANUFACTURE:** November 12, 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	6.9 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: December 2, 2019



Doug Stocker
Quality Systems Technician

Meets or exceeds specifications

Does not meet specifications

SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES