

Certificate of Analysis

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

CODE NO: 32117

LOT NO: 12542

DATE OF MANUFACTURE: May 4, 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.

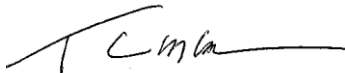
PROCEDURE: Whole blood is collected from healthy, sexually mature goats (any breed), refrigerated within 6 hours, processed within 24 hours and frozen. The serum is then thawed in a water bath, pooled and processed to remove lipids. Delipidized serum is passed through a 0.22-micron filter, bottled, and stored at -20 °C.

ASSAYS:

| Required Assays | Specification | Result |
|-----------------|----------------------|----------|
| Total Protein: | 6.0 – 8.0 g/dL | 6.2 g/dL |
| Hemoglobin: | ≤ 20 mg/dL | 10 mg/dL |
| pH: | 7.0 – 8.5 | 7.9 |
| Sterility: | No growth at 14 days | Pass |

QUALITY ASSURANCE

Quality Control Release Date: November 13, 2020



Theresa Kwasny
 Quality Systems Manager

Meets or exceeds specifications

Does not meet specifications

SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES