



Certificate of Analysis

PRODUCT: Bovine Serum, Mature, Non-Hemolyzed, Sterile

CODE NO: 37225

LOT NO: 03042

DATE OF MANUFACTURE: January 30, 2020

STORAGE: At or below -10 °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 and found free from obvious signs of infectious and contagious disease.

PROCEDURE: Bovine whole blood is collected from mature healthy animals (any breed, either sex, sexually mature) refrigerated within 6 hours of collection, processed within 24 hours and frozen at or below -10 °C. The serum is thawed and passed through a 0.22 micron filter, bottled and returned to -10 °C or below.

| ASSAYS: | Required Assays | Specification | Result |
|---------|-----------------|-----------------------|-------------------------------|
| | Total Protein: | 6.3 – 8.9 g/dL | 7.6 g/dL |
| | Hemoglobin: | ≤ 20 mg/dL | 19 mg/dL |
| | pH: | 7.0 – 8.5 | 7.9 |
| | Sterility: | No growth at 14 days. | Passed. No growth at 14 days. |

QUALITY ASSURANCE

Quality Control Release Date: February 13, 2020

Sarah Graves
Quality Systems Technician

Meets or exceeds specifications
Does not meet specifications

SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES