

## Certificate of Analysis

**PRODUCT:** Goat Serum, Donor Herd, Non-Hemolyzed, Sterile, Heat-Inactivated

**CODE NO:** 32128

**LOT NO:** 33944

**DATE OF  
MANUFACTURE:** December 5, 2022

**ORIGIN:** U.S.A.

**STORAGE:** -10 °C or below

**EU REQUIREMENTS:** Product meets European Union requirements for production of technical blood products.

**PROCEDURE:** Mature goat blood (donor herd, either sex) is refrigerated within 6 hours of collection, processed into serum within 24 hours and frozen. The serum is thawed and passed through a 0.22 micron filter, bottled, and frozen. The sterile bottled serum is thawed and processed at 56 °C for 30 minutes, and frozen at -20 °C.

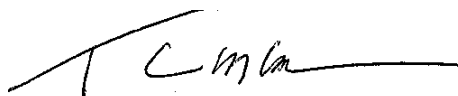
**ASSAYS:**

| Required Assays | Specification  | Result   |
|-----------------|----------------|----------|
| Total Protein   | 6.0 – 8.0 g/dL | 6.7 g/dL |
| Hemoglobin      | ≤ 20 mg/dL     | 14 mg/dL |
| pH              | 7.0 – 8.5      | 7.8      |

\*Sterility not compromised during process.

### QUALITY ASSURANCE

Quality Control Release Date: December 8, 2022



Theresa Kwasny  
Director of Quality

**Meets or exceeds specifications** ☒

**Does not meet specifications** ☐

**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**