

## Certificate of Analysis

**PRODUCT:** Horse Serum, Donor Herd, Non-hemolyzed, Sterile

**CODE NO:** 39321

**LOT NO:** 07440

**DATE OF  
MANUFACTURE:** March 15, 2018

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

**STORAGE:** At -10 °C or below

**EU REQUIREMENTS:** Product meets EU requirements for production of technical blood products. Product is derived from blood collected at MO TEC 0001, U.S.A.

**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:** Blood is collected from the donor herd horses (maintained and controlled under the observation of qualified professional personnel) using a closed system method in a USDA inspected facility. Sterilization is achieved using a 0.22-micron filter.

**APPEARANCE:** Straw colored

**ASSAYS:**

| Required Assays | Specification         | Result                        |
|-----------------|-----------------------|-------------------------------|
| Total Protein:  | 6.0 – 9.0 g/dL        | 7.0 g/dL                      |
| Hemoglobin:     | ≤ 10 mg/dL            | < 1 mg/dL                     |
| pH:             | 7.0 – 8.5             | 7.8                           |
| Sterility:      | No growth at 14 days. | Passed. No growth at 14 days. |

### QUALITY ASSURANCE

Quality Control Release Date: April 3, 2018



Sarah Graves  
Quality Systems Technician

**Meets or exceeds specifications** ☒

**Does not meet specifications** ☐

**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**