

## Certificate of Analysis

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

**CODE NO:** 39321

**LOT NO:** 01438

**DATE OF  
MANUFACTURE:** January 14, 2016

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

**STORAGE:** At -20 °C

**EU REQUIREMENTS:** Product meets EU requirements for production of technical blood products. Product is derived from blood collected at MO-TEC-0001, United States.

**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 aseptically collected from the donor herd horses (maintained on antibiotic-free diets and controlled under the observation of qualified professional personnel) using a closed system method in a USDA inspected facility. All animals are found free of contagious disease. The blood is refrigerated within 8 hours of collection and processed within 48 hours prior to freezing. Sterilization is achieved using a 0.22-micron filter.

**ASSAYS:**

| Required Assays | Specification         | Result                        |
|-----------------|-----------------------|-------------------------------|
| Total Protein:  | 6.0 – 9.0 g/dL        | 6.22 g/dL                     |
| Hemoglobin:     | ≤ 10 mg/dL            | 0.38 mg/dL                    |
| pH:             | 7.0 – 8.5             | 7.92                          |
| Sterility:      | No growth at 14 days. | Passed. No growth at 14 days. |

**QUALITY ASSURANCE**

Quality Control Release Date: January 28, 2016



Sarah Graves  
Quality Systems Technician

**Meets or exceeds specifications** ☒

**Does not meet specifications** ☐

**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**