

## Certificate of Analysis

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

**CODE NO:** 39324

**LOT NO:** 31841

**DATE OF  
MANUFACTURE:** November 14, 2019

**STORAGE:** At or below -10°C

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

**EU 142/2011:** AR TEC 0007

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

**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:** 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.

**ASSAYS:**

Required Assays	Specification	Result
Total Protein	6.0 – 9.0 g/dL	7.3 g/dL
Hemoglobin	≤ 10 mg/dL	4.4 mg/dL
pH	7.0 – 8.5	8.0

**QUALITY ASSURANCE**

Quality Control Release Date: November 21, 2019



Doug Stocker  
Quality Technician

**Meets or exceeds specifications**

**Does not meet specifications**

**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**