

Biologicals Division

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**Pel-Freez®**

**Analysis Certificate**

**PRODUCT:** Goat Serum, Sterile, Non-Hemolyzed, Delipidized

**CODE NO:** 32117

**LOT NO:** 35035

**STORAGE:** -20 °C

**ORIGIN:** USA

**EU**

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

**PROCEDURE:** Whole blood is collected from healthy, sexually mature goats (any breed, either sex), refrigerated within 6 hours, processed within 24 hours and frozen. The serum is then thawed in a water bath, pooled and processed to remove lipids. Delipidized serum is passed through a 0.22-micron filter, bottled, and stored at -20 °C.

Animals originated in the United States and were from a donor herd in the United States at a U.S.D.A. licensed establishment. The animals received health inspections under a veterinarian's supervision and were determined to be free from infectious diseases and injurious parasites transferable to hoofed animals.

|                              |                               |
|------------------------------|-------------------------------|
| <b>ASSAYS:</b> Total Protein | 6.72 g/dl                     |
| Hemoglobin                   | 6.00 mg/dl                    |
| pH                           | 7.82                          |
| Sterility                    | Passed. No growth at 14 days. |

**QUALITY ASSURANCE**

**Quality Control Release Date:** December 26, 2013



Sarah Graves  
Quality Systems Technician

**Meets or exceeds specifications** ✓

**Does not meet specifications**

**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSE**