

Biologicals Division

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Pel-Freez®

Analysis Certificate/Origin

PRODUCT: Bovine Gamma Globulin

CODE NO: 27005

LOT NO: 14035A

**DATE OF
MANUFACTURE:** May 20, 2013

ORIGIN: USA

STORAGE: 2-8°C

EXPIRATION: Suggested retest after 3 years.

RECONSTITUTION: Reconstitute in at least 0.2% NaCl solution.

PROCEDURE: Bovine gamma globulin is purified from normal bovine serum or plasma collected in a USDA certified facility within the contiguous 48 states of the United States (documentation is on file). The processing of serum/plasma into gamma globulin was achieved exclusively at Pel-Freez Biologicals facilities using a combination of existing methods developed in our laboratory.

ASSAYS: This lot of Bovine Gamma Globulins contains 100% gamma globulin by serum protein electrophoresis.

Protein by Weight - O.D. 280 nm $E^{1\%} = 1.39 = 86\%$. Residual salts, lipids, etc. comprise the rest of the weight.

Moisture Content: 3.80% (FIO)

QUALITY ASSURANCE

Quality Control Release Date: June 18, 2013



Stephanie Whitmore
Quality Systems Technician

Meets or exceeds specifications ✓

Does not meet or exceed specifications

FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES