

Biologicals Division

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Pel-Freez®

Certificate of Analysis

PRODUCT: Goat Gamma Globulin
CODE NO: 22005
LOT NO: 13534
STORAGE: 2-8°C
DATE OF MANUFACTURE: **May 18, 2012**
COUNTRY OF ORIGIN: U.S.A.
RECONSTITUTION: Reconstitute in at least 0.2% NaCl solution.

PROCEDURE: Goat gamma globulin is purified from normal goat serum using different fractionation procedures followed by extensive dialysis against low ionic strength buffer and finally lyophilization. To help eliminate diseases that might be carried in animal blood products, the pH of the gamma globulin is adjusted to <5.0 for a minimum of 3 hours during one of the fractionation processes.

ASSAYS: Serum Protein Electrophoresis
This lot of Goat Gamma contains >98.0 % gamma globulin as determined by serum protein electrophoresis (percent of the total protein present).

Protein by Weight - O.D. 280 nm $E^{1\%}_{1cm}$ is 95%
Residual salts, lipids, etc. comprise the rest of the weight.

Moisture: 7.36%

QUALITY ASSURANCE

Quality Control Release Date: July 20, 2012

Meets or exceeds specifications ✓
Does not meet specifications

Bruce Denhart

SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES