

**CERTIFICATE OF ANALYSIS
HUMAN SERUM PROTEINS**

Human Immunoglobulin (IgG)

Product code: P142-0

Batch No:

Product presentation: Single homogenous batch, lyophilised from 0.02M NH₄HCO₃ may contain traces of buffer salts.

Purity: Nominally greater than 99% of the protein is IgG. Impurities have been absorbed out using anti-sera to normal human serum.

Starting material: Pooled normal human serum/plasma. Starting material serum donor tested and found negative for HIV I & II antibodies, Hepatitis B surface antigen, and Hepatitis C antibodies.

Storage: Store at 2-8°C, shelf life minimum 1 year.

Analysis

Results

SDS-Polyacrylamide Gel Electrophoresis.	One diffuse band corresponding to IgG molecular weight.
Cellogel Acetate Electrophoresis.	Single band only visible corresponding to γ electrophoretic mobility.
Radial Immunodiffusion (RID) assay vs Behring standard.	Confirms identity and verifies dispensing concentration.
Optical density at 280nm using $E_{1\%}^{1\text{cm}} = 1.38$	mg/ml (dispensing solution).
Total protein concentration as determined by Lowry method.	Result consistent with optical density data.
IgM and IgA levels.	< 0.1% of IgG level by RID.
2-D Immunoelectrophoresis vs. antiserum to Normal Human Serum.	Single arc.

Position: **Name:**

Signed: **Date:** **Order No:**

