

## CERTIFICATE OF ANALYSIS

**Product:** LifeGlobal Protein Supplement  
**Cat#:** LGPS-001, LGPS-005, LGPS-020,  
 LGPS-050, LGPS-100, LGPS-250

**Lot#:** LGPS-150721U  
**Exp. Date:** Jul. 20, 2016  
**Prod. Date:** Jul. 21, 2015

**Description:**

LifeGlobal Protein Supplement contains HSA with the enhanced performance provided by  $\alpha$ - and  $\beta$ -globulins

**Instructions for Use:** LifeGlobal Protein Supplement Instructions for Use V7.0

**Storage Requirements:**

Store at 2–4°C and protected from light. When stored as directed, the product is stable until the expiration date shown on the bottle label.

**Raw Materials**

Chemicals used by LifeGlobal meet ASC, USP, or NF standards

We certify that this product has been manufactured according to current Good Manufacturing Practice (cGMP). The quality of this particular batch was tested and evaluated by stringent quality control procedures. On the basis of superior test results, the batch was considered suitable for the use intended.

The human serum albumin and  $\alpha$ - and  $\beta$ -globulins used in the preparation of this product have been heated at 60°C for ten hours.

**Caution:** All blood products should be treated as potentially infectious. Source material from which this product was derived was found negative when tested for antibodies to HIV, HBc, HCV, and HTLV I/II and non-reactive for HbsAg, HCV RNA and HIV-1 RNA and syphilis. No known test methods can offer assurances that products derived from human blood will not transmit infectious agents.

	<u>Specification</u>	<u>Results</u>
<b>Physicochemical Tests:</b>		
pH	7.2-7.4	7.31
Osmolality	250-270	252
<b>Biological Tests:</b>		
LAL Endotoxin	$\leq 1.0$ EU/ml	$< 0.03$ EU/ml
Sterility Test (Bacterial and fungal screen)	PASS	PASS
<b>Biological Assays:</b>		
1-cell Mouse Embryo Assay*	$\geq 80\%$	95%

\*Mouse Embryo Assay tests are performed by an independent laboratory. One-cell B6C3F1 X B6D2F1 mouse embryos are cultured in embryo-tested culture medium supplemented with LifeGlobal Protein Supplement for 96 hours. The embryos are then evaluated for development to the expanded blastocyst stage.