



521 Cottonwood Drive
 Milpitas, CA 95035
www.aspirasci.com
 E-mail: techsupport@aspirasci.com

Certificate of Analysis

Product #: 800001

Date of Issue: 22 Nov 2013

Human Serum Albumin, Recombinant

(rHSA)

99%+, Lyophilized Powder, Expressed in Rice

Production Organism: *Oryza sativa*

Product #: 800001

Lot Number: 201311014

Manufactured Date: 19 Nov 2013

Expiration Date: 18 Nov 2015

Composition

Albumin, human (CAS 70024-90-7)

99%+ (w/w)

Product Specifications

Specification	Standard	Result	Conformance
Appearance, color:	off-white to light beige	light beige	Yes
Appearance, form:	powder, lyophilized	powder, lyophilized	Yes
Solubility (100 mg/mL in water):	100%, clear light to pale yellow solution	100%, clear light to pale yellow solution	Yes
pH (100 mg/mL in water):	6.5 - 7.5	6.59	Yes
Purity (ELISA, SDS-PAGE & RP-HPLC):	≥ 99% (w/w) human albumin	99.53%	Yes
Total Protein (BCA Protein Assay):	≥ 90% (w/w)	93.34%	Yes
Endotoxin (Gel-clot):	≤ 0.5 EU/mg	<0.125EU/mg	Yes

Conclusion: [Conformity; Product meets specifications.]

Date of Release: 22 Nov 2013

The undersigned hereby certifies that the product analysis data reported above is a true specification of the results obtained for this product lot.

Cal, Shigui

Quality Control Manager

Date: 22 Nov 2013

For research use only.

This product has not been approved as a direct human therapeutic agent.



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