

MICROBIAL CHALLENGE TEST FOR LIQUID COLLOIDAL SILVER

Client	Zealand Health Manufacturing	Testing Facility	New Zealand Laboratory Services Limited
Address:	Unit 21/64 Maleme Street Tauranga New Zealand	Address:	35 O'Rorke Road PO Box 12545 Penrose Auckland New Zealand
Contact:	Ginna Christensen		

PRODUCT NAME: Liquid Colloidal Silver

PRODUCT BATCH NUMBERS: The Silver Solution - Lot 1509 - BB 03 Mar 11
Skybright - B# 870 – BB 10/2010
New Zealand Pure Colloidal Silver – BB 2011
Ephrain Health Colloidal Silver – BB 07 10

DATE OF ISSUE: 13 July, 2009

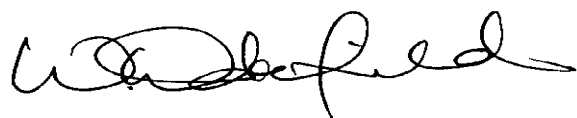
CURRENT JOB NUMBER: 09NR018056

Authorised By: Matthew Hardinge
Senior Supervisor – Pharmaceutical
Microbiological Services

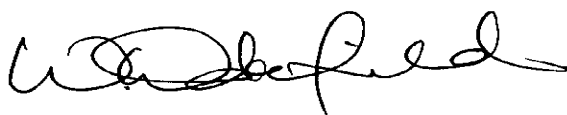
Authorised By: Wendy Wakefield
Team Leader – Pharmaceutical Microbiological
Services

Authorising Signature:

Authorising Signature:



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MICROBIAL CHALLENGE TEST FOR LIQUID COLLOIDAL SILVER



Auckland - Hamilton - Hastings - Christchurch - Dunedin

Accession Number:	09N039510	Product Name:	The Silver Solution	Batch Number:	1509	Best Before Date	03 Mar 11
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Organism	ATCC Number	Inoculum Level	Recovery Level (cfu/ml)			Log Reduction		
			0 hours	24 hours	48 hours	0 hours	24 hours	48 hours
<i>Staphylococcus aureus</i>	6538	1.4 x 10 ⁶	1.4 x 10 ⁶	NR	NR	0.0	6.1	6.1

Notes:	
Method	British Pharmacopoeia 2009 (modified)
Cultures	Maintained in accordance with the recommendations of the Curator of the Culture Collections Centre NZ Communicable Disease Centre and New Zealand Laboratory Services quality control systems.
Validation performed	No
Key:	
<	Less than
ATCC	American Type Culture Collection
NR	No Recovery

MICROBIAL CHALLENGE TEST FOR LIQUID COLLOIDAL SILVER



Auckland - Hamilton - Hastings - Christchurch - Dunedin

Accession Number:	09N039511	Product Name:	Skybright	Batch Number:	870	Best Before Date	10/2010
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Organism	ATCC Number	Inoculum Level	Recovery Level (cfu/ml)			Log Reduction		
			0 hours	24 hours	48 hours	0 hours	24 hours	48 hours
<i>Staphylococcus aureus</i>	6538	1.4 x 10 ⁶	1.5 x 10 ⁶	NR	NR	-0.1	6.2	6.2

Notes:	
Method	British Pharmacopoeia 2009 (modified)
Cultures	Maintained in accordance with the recommendations of the Curator of the Culture Collections Centre NZ
Validation performed	Communicable Disease Centre and New Zealand Laboratory Services quality control systems.
Key:	No
<	Less than
ATCC	American Type Culture Collection
NR	No Recovery

MICROBIAL CHALLENGE TEST FOR LIQUID COLLOIDAL SILVER



Auckland - Hamilton - Hastings - Christchurch - Dunedin

Accession Number:	09N039512	Product Name:	New Zealand Pure	Batch Number:	N/A	Best Before Date	2011
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Organism	ATCC Number	Recovery Level (cfu/ml)			Log Reduction					
		Inoculum Level	0 hours	24 hours	48 hours	0 hours	24 hours	48 hours		
<i>Staphylococcus aureus</i>	6538	1.4 x 10 ⁶	1.4 x 10 ⁶	NR	NR	NR	NR	0.0	6.1	6.1

Notes:	
Method	British Pharmacopoeia 2009 (modified)
Cultures	Maintained in accordance with the recommendations of the Curator of the Culture Collections Centre NZ Communicable Disease Centre and New Zealand Laboratory Services quality control systems.
Validation performed	No
Key:	Less than
<	
ATCC	American Type Culture Collection
NR	No Recovery

MICROBIAL CHALLENGE TEST FOR LIQUID COLLOIDAL SILVER



Auckland - Hamilton - Hastings - Christchurch - Dunedin

Accession Number:	09N039513	Product Name:	Ephraim Health	Batch Number:	N/A	Best Before Date	07 10
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Organism	ATCC Number	Inoculum Level	Recovery Level (cfu/ml)			Log Reduction		
			0 hours	24 hours	48 hours	0 hours	24 hours	48 hours
<i>Staphylococcus aureus</i>	6538	1.4 x 10 ⁶	6.8 x 10 ⁴	NR	NR	1.3	6.1	6.1

Notes:	
Method	British Pharmacopoeia 2009 (modified)
Cultures	Maintained in accordance with the recommendations of the Curator of the Culture Collections Centre NZ
Validation performed	Communicable Disease Centre and New Zealand Laboratory Services quality control systems.
Key:	No
<	Less than
ATCC	American Type Culture Collection
NR	No Recovery