



## Certificate of Analysis

### Product manufactured by Ames Goldsmith UK Ltd

Acornfield Road  
Knowsley Industrial Park North  
Kirkby, Liverpool L33 7UF, UK

Any questions? Please contact Rob Garrett of Ames Goldsmith Tel. +44 151 203 1742

<b>Product:</b>	<b>Silver Nitrate</b>
<b>UN Number:</b>	<b>UN1493</b>
<b>Manufacture Date:</b>	<b>12 July 2013</b>
<b>Expiry Date:</b>	<b>Jul-18</b>
<b>Pack style:</b>	<b>1 kg plastic pots packed into a cardboard box</b>
<b>Batch Number:</b>	<b>908071</b>

Product Release Parameters	Units #	Result	Specification	
			Lower/ *LOD	Upper
APPEARANCE		pass	Clear/white crystals	
ASSAY	%	99.97	100.00	99.90
MOISTURE	%w/w	0.03	0	<0.1
NOT Precipitated by HCl /insolubles	% w/w	<0.002		0.005
pH (10% sol)		4.4	3.6	5.0
CHLORIDE	µg/g	<1		2
NITRITE	µg/g	<1		2
CALCIUM	µg/g	<5		10
POTASSIUM	µg/g	<1		20
SODIUM	µg/g	<5		20
SULPHUR	µg/g	<8		20
CADMIUM	ng/g	<3	3	100
CHROMIUM	ng/g	<30	4	200
COPPER	ng/g	<20	5	100
GOLD	ng/g	<1	1	10
IRIDIUM	ng/g	<2	2	10
IRON	ng/g	<120	10	400
LEAD	ng/g	<22	22	200
MANGANESE	ng/g	<5	2	100
NICKEL	ng/g	<30	30	100
PALLADIUM	ng/g	<1	1	10
PLATINUM	ng/g	<4	4	10
SELENIUM	ng/g	<21	21	100
TELLURIUM	ng/g	<7	7	350
ZINC	ng/g	<30	28	100

Certified by: Ann-Marie Meredith  
Laboratory Technician

Tel. +44 151 203 1739

\*The units recorded as ng/g is also known as parts per billion (ppb) and µg/g is parts per million (ppm)

\*The Limit of Detection (LOD) is defined as the lowest concentration level that can be determined to be statistically different from the blank

Magnesium, Silicon and Phosphorus are not part of our standard ICP-OES test procedure so data is not available for these elements

This report may not be duplicated except in its entirety to preserve data integrity.