

# CERTIFICATE OF ANALYSIS

## 133X AGA3 (batch A)

### Reference Material Information

Type:	Archaeological Silver
Form and Size:	Disc, 25mm diameter
Produced by:	Mayhan & Co Ltd
Analysed by:	Birmingham Assay Office
Certified and supplied by:	MBH Analytical Ltd

### Assigned Values

#### Element by weight, % or µg/g (ppm)

Element	Cu	Pb	Au	Zn	Sn	Sb	Bi	Fe
percent %	4.91	1.89	0.258	0.816	0.921	0.459	0.048	(0.015)
uncertainty	0.08	0.05	.002	0.010	0.007	0.002	0.001	-

Element	Al	As	Cd	Co	Cr	Ge	In	Mg	Mn
ppm	(20)	80	42	50	86	45	134	5	98
uncertainty	-	2	1	1	17	3	2	1	4

Element	Ni	Pd	Pt	Rh	Se	Si	Ti	Te
ppm	450	156	256	17	44	(10)	(10)	54
uncertainty	47	1	4	1	1	-	-	14

### Notes

This sample was prepared by induction melting and chill-casting; the resultant ingot was rolled into strip of 3mm thickness.

The above values have been derived by one competent laboratory (UKAS accreditation 0667) only, using ICP-AES for all elements. Each value is a mean of four independent tests. The uncertainty value stated is the standard deviation of those results. All values should be treated with due caution.

The manufacture, analysis and certification of this product were supervised by C Eveleigh, PhD, Technical Director, MBH Analytical Ltd.

The material to which this certificate of analysis refers is supplied subject to our general conditions of sale.

### Certified by:

MBH ANALYTICAL LIMITED \_\_\_\_\_

on 14<sup>th</sup> July 2014

C Eveleigh