

Preset Sample Data Mission San Bernardo - 4 digit date

Sample Name: **jolaone**
 Description:
 Method: 1486-fpf
 Job Number: 0
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration		Abs. Error	
79	Au	Gold	< 0.020	%	(0.0)	%
47	Ag	Silver	0.0482	%	0.0078	%
78	Pt	Platinum	< 0.020	%	(0.0)	%
45	Rh	Rhodium	< 0.0020	%	(0.0)	%
44	Ru	Ruthenium	0.0000	%	0.0	%
77	Ir	Iridium	< 0.0010	%	(0.0)	%
46	Pd	Palladium	0.0134	%	0.0065	%
23	V	Vanadium	< 0.0065	%	(0.0)	%
24	Cr	Chromium	< 0.0036	%	(0.0)	%
25	Mn	Manganese	< 0.0032	%	(0.0020)	%
26	Fe	Iron	< 0.0055	%	(0.0)	%
27	Co	Cobalt	0.0140	%	0.0026	%
28	Ni	Nickel	0.0339	%	0.0040	%
29	Cu	Copper	83.65	%	0.12	%
30	Zn	Zinc	< 0.0070	%	(0.0)	%
40	Zr	Zirconium	< 0.050	%	(0.030)	%
41	Nb	Niobium	< 0.020	%	(0.0)	%
42	Mo	Molybdenum	1.061	%	0.016	%
48	Cd	Cadmium	< 0.012	%	(0.0)	%
49	In	Indium	< 0.015	%	(0.011)	%
50	Sn	Tin	< 0.017	%	(0.0)	%
51	Sb	Antimony	< 0.020	%	(0.0)	%
74	W	Tungsten	< 0.025	%	(0.0)	%
82	Pb	Lead	0.1361	%	0.0064	%

Preset Sample Data

Sample Name: **jolaoneb**
 Description:
 Method: **Alloysgs**
 Job Number: **0**
 Sample State: **Alloys, 32 mm**
 Sample Type: **Legierung**
 Sample Status: **A X X X X X**

Dilution Material:
 Sample Mass (g): **8.0000**
 Dilution Mass (g): **0.0000**
 Dilution Factor: **1.0000**
 Sample rotation: **No**
 Date of Receipt: **08/03/2011**
 Date of Evaluation: **08/03/2011**

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	0.0447 %	0.0040 %
47	Ag	Silver	0.0937 %	0.0058 %
46	Pd	Palladium	0.0264 %	0.0050 %
78	Pt	Platinum	0.0501 %	0.0041 %
29	Cu	Copper	> 99.59 %	0.08 %
48	Cd	Cadmium	< 0.0100 %	(0.0052) %
24	Cr	Chromium	< 0.030 %	(0.0) %
27	Co	Cobalt	< 0.020 %	(0.017) %
26	Fe	Iron	0.0696 %	0.0032 %
31	Ga	Gallium	0.0056 %	0.0037 %
49	In	Indium	< 0.013 %	(0.012) %
77	Ir	Iridium	< 0.035 %	(0.0) %
42	Mo	Molybdenum	< 0.050 %	(0.0) %
25	Mn	Manganese	< 0.025 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
28	Ni	Nickel	0.0448 %	0.0024 %
82	Pb	Lead	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0079 %	(0.0) %
44	Ru	Ruthenium	< 0.0082 %	(0.0) %
50	Sn	Tin	< 0.016 %	(0.0) %
51	Sb	Antimony	< 0.018 %	(0.0) %
22	Ti	Titanium	0.0265 %	0.0047 %
34	Se	Selenium	< 0.0016 %	(0.0) %
52	Te	Tellurium	< 0.15 %	(0.0) %
80	Hg	Mercury	< 0.0028 %	(0.0) %
81	Tl	Thallium	< 0.0034 %	(0.0) %
23	V	Vanadium	< 0.035 %	(0.0094) %
74	W	Tungsten	< 0.025 %	(0.0) %
30	Zn	Zinc	< 0.0050 %	(0.0) %
76	Os	Osmium	< 0.0010 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %
Sum of concentration			99.95 %	

Preset Sample Data

Mission San Bernardo - 3 digit date

Sample Name: **jola2**
 Description:
 Method: 1486-fpf
 Job Number: 0
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration		Abs. Error	
79	Au	Gold	< 0.020	%	(0.0)	%
47	Ag	Silver	0.0364	%	0.0084	%
78	Pt	Platinum	< 0.020	%	(0.0)	%
45	Rh	Rhodium	< 0.0020	%	(0.0)	%
44	Ru	Ruthenium	0.0000	%	0.0	%
77	Ir	Iridium	< 0.0010	%	(0.0)	%
46	Pd	Palladium	0.0226	%	0.0070	%
23	V	Vanadium	< 0.0075	%	(0.0)	%
24	Cr	Chromium	< 0.0044	%	(0.0)	%
25	Mn	Manganese	< 0.0039	%	(0.0013)	%
26	Fe	Iron	0.0574	%	0.0022	%
27	Co	Cobalt	0.0142	%	0.0020	%
28	Ni	Nickel	0.0361	%	0.0037	%
29	Cu	Copper	> 98.11	%	0.13	%
30	Zn	Zinc	< 0.011	%	(0.0)	%
40	Zr	Zirconium	0.0215	%	0.0012	%
41	Nb	Niobium	< 0.020	%	(0.0)	%
42	Mo	Molybdenum	1.208	%	0.019	%
48	Cd	Cadmium	< 0.022	%	(0.018)	%
49	In	Indium	0.027	%	0.013	%
50	Sn	Tin	< 0.032	%	(0.0)	%
51	Sb	Antimony	< 0.039	%	(0.0)	%
74	W	Tungsten	< 0.025	%	(0.0)	%
82	Pb	Lead	0.1274	%	0.0069	%

Preset Sample Data

Sample Name: **jola2b**
 Description:
 Method: **Alloysgs**
 Job Number: **0**
 Sample State: **Alloys, 32 mm**
 Sample Type: **Legierung**
 Sample Status: **A X X X X X**

Dilution Material:
 Sample Mass (g): **8.0000**
 Dilution Mass (g): **0.0000**
 Dilution Factor: **1.0000**
 Sample rotation: **No**
 Date of Receipt: **08/03/2011**
 Date of Evaluation: **08/03/2011**

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	0.0133 %	0.0039 %
47	Ag	Silver	0.0409 %	0.0044 %
46	Pd	Palladium	0.0136 %	0.0038 %
78	Pt	Platinum	0.0340 %	0.0039 %
29	Cu	Copper	> 99.51 %	0.08 %
48	Cd	Cadmium	< 0.012 %	(0.0026) %
24	Cr	Chromium	< 0.030 %	(0.0) %
27	Co	Cobalt	0.0209 %	0.0011 %
26	Fe	Iron	0.1401 %	0.0029 %
31	Ga	Gallium	0.0079 %	0.0032 %
49	In	Indium	0.0444 %	0.0068 %
77	Ir	Iridium	< 0.043 %	(0.0) %
42	Mo	Molybdenum	< 0.050 %	(0.0) %
25	Mn	Manganese	< 0.025 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
28	Ni	Nickel	0.0484 %	0.0021 %
82	Pb	Lead	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0090 %	(0.0) %
44	Ru	Ruthenium	< 0.0098 %	(0.0) %
50	Sn	Tin	< 0.017 %	(0.0041) %
51	Sb	Antimony	0.0194 %	0.0093 %
22	Ti	Titanium	0.0832 %	0.0046 %
34	Se	Selenium	< 0.0017 %	(0.0) %
52	Te	Tellurium	< 0.17 %	(0.0) %
80	Hg	Mercury	< 0.0043 %	(0.0) %
81	Tl	Thallium	< 0.0044 %	(0.0) %
23	V	Vanadium	0.0120 %	0.0028 %
74	W	Tungsten	< 0.012 %	(0.0) %
30	Zn	Zinc	< 0.0064 %	(0.0) %
76	Os	Osmium	< 0.0010 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %
Sum of concentration			99.99 %	

Preset Sample Data

3 digit date

Sample Name: **jola3**
 Description:
 Method: 1486-fpf
 Job Number: 0
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	< 0.020 %	(0.0) %
47	Ag	Silver	0.0269 %	0.0083 %
78	Pt	Platinum	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0020 %	(0.0) %
44	Ru	Ruthenium	0.0000 %	0.0 %
77	Ir	Iridium	< 0.0010 %	(0.0) %
46	Pd	Palladium	0.0173 %	0.0067 %
23	V	Vanadium	< 0.0068 %	(0.0) %
24	Cr	Chromium	< 0.0044 %	(0.0037) %
25	Mn	Manganese	< 0.0038 %	(0.0) %
26	Fe	Iron	0.01660 %	0.00085 %
27	Co	Cobalt	0.0267 %	0.0021 %
28	Ni	Nickel	0.0399 %	0.0037 %
29	Cu	Copper	> 98.54 %	0.13 %
30	Zn	Zinc	< 0.011 %	(0.0) %
40	Zr	Zirconium	< 0.0081 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
42	Mo	Molybdenum	1.170 %	0.018 %
48	Cd	Cadmium	< 0.022 %	(0.0) %
49	In	Indium	< 0.026 %	(0.014) %
50	Sn	Tin	< 0.030 %	(0.0) %
51	Sb	Antimony	< 0.037 %	(0.0) %
74	W	Tungsten	< 0.025 %	(0.0) %
82	Pb	Lead	0.1375 %	0.0071 %

Preset Sample Data

Sample Name: **jola3b**
 Description:
 Method: **Alloysgs**
 Job Number: 0
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	0.0229 %	0.0028 %
47	Ag	Silver	0.0338 %	0.0042 %
46	Pd	Palladium	0.0116 %	0.0038 %
78	Pt	Platinum	0.0178 %	0.0029 %
29	Cu	Copper	> 99.65 %	0.08 %
48	Cd	Cadmium	< 0.012 %	(0.0) %
24	Cr	Chromium	< 0.030 %	(0.0) %
27	Co	Cobalt	0.0350 %	0.0011 %
26	Fe	Iron	0.0996 %	0.0027 %
31	Ga	Gallium	0.0071 %	0.0030 %
49	In	Indium	0.0245 %	0.0065 %
77	Ir	Iridium	< 0.044 %	(0.0) %
42	Mo	Molybdenum	< 0.050 %	(0.0) %
25	Mn	Manganese	< 0.025 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
28	Ni	Nickel	0.0528 %	0.0021 %
82	Pb	Lead	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0088 %	(0.0) %
44	Ru	Ruthenium	< 0.0099 %	(0.0) %
50	Sn	Tin	< 0.017 %	(0.0082) %
51	Sb	Antimony	< 0.021 %	(0.0) %
22	Ti	Titanium	0.0285 %	0.0039 %
34	Se	Selenium	< 0.0017 %	(0.0) %
52	Te	Tellurium	< 0.17 %	(0.0) %
80	Hg	Mercury	< 0.020 %	(0.0) %
81	Tl	Thallium	< 0.020 %	(0.0) %
23	V	Vanadium	< 0.0036 %	(0.0026) %
74	W	Tungsten	< 0.025 %	(0.0) %
30	Zn	Zinc	< 0.0064 %	(0.0) %
76	Os	Osmium	< 0.0010 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %
Sum of concentration			99.99 %	

Preset Sample Data

Sample Name: **jola4**
 Description:
 Method: **1486-fpf**
 Job Number: **0**
 Sample State: **Alloys, 32 mm**
 Sample Type: **Legierung**
 Sample Status: **A X X X X**

Dilution Material:
 Sample Mass (g): **8.0000**
 Dilution Mass (g): **0.0000**
 Dilution Factor: **1.0000**
 Sample rotation: **No**
 Date of Receipt: **08/03/2011**
 Date of Evaluation: **08/03/2011**

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	< 0.020 %	(0.0) %
47	Ag	Silver	0.0318 %	0.0076 %
78	Pt	Platinum	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0020 %	(0.0) %
44	Ru	Ruthenium	0.0000 %	0.0 %
77	Ir	Iridium	< 0.0010 %	(0.0) %
46	Pd	Palladium	0.0182 %	0.0069 %
23	V	Vanadium	< 0.0068 %	(0.0) %
24	Cr	Chromium	< 0.0047 %	(0.0) %
25	Mn	Manganese	< 0.0042 %	(0.00098) %
26	Fe	Iron	< 0.0068 %	(0.0) %
27	Co	Cobalt	0.0105 %	0.0019 %
28	Ni	Nickel	0.0470 %	0.0037 %
29	Cu	Copper	> 97.91 %	0.13 %
30	Zn	Zinc	< 0.012 %	(0.0) %
40	Zr	Zirconium	< 0.0066 %	(0.0066) %
41	Nb	Niobium	< 0.020 %	(0.0) %
42	Mo	Molybdenum	1.172 %	0.018 %
48	Cd	Cadmium	< 0.022 %	(0.0) %
49	In	Indium	< 0.026 %	(0.019) %
50	Sn	Tin	< 0.030 %	(0.0) %
51	Sb	Antimony	< 0.040 %	(0.016) %
74	W	Tungsten	< 0.022 %	(0.0) %
82	Pb	Lead	0.763 %	0.015 %

Preset Sample Data

Sample Name: **jola4b**
 Description:
 Method: **Alloysgs**
 Job Number: **0**
 Sample State: **Alloys, 32 mm**
 Sample Type: **Legierung**
 Sample Status: **A X X X X X**

Dilution Material:
 Sample Mass (g): **8.0000**
 Dilution Mass (g): **0.0000**
 Dilution Factor: **1.0000**
 Sample rotation: **No**
 Date of Receipt: **08/03/2011**
 Date of Evaluation: **08/03/2011**

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	0.0221 %	0.0028 %
47	Ag	Silver	0.0362 %	0.0040 %
46	Pd	Palladium	0.0155 %	0.0037 %
78	Pt	Platinum	0.0241 %	0.0027 %
29	Cu	Copper	> 99.21 %	0.08 %
48	Cd	Cadmium	< 0.012 %	(0.0) %
24	Cr	Chromium	< 0.030 %	(0.0) %
27	Co	Cobalt	< 0.020 %	(0.016) %
26	Fe	Iron	0.0045 %	0.0022 %
31	Ga	Gallium	< 0.0054 %	(0.0) %
49	In	Indium	0.0281 %	0.0065 %
77	Ir	Iridium	< 0.046 %	(0.0) %
42	Mo	Molybdenum	< 0.050 %	(0.0) %
25	Mn	Manganese	< 0.025 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
28	Ni	Nickel	0.0563 %	0.0021 %
82	Pb	Lead	0.5689 %	0.0063 %
45	Rh	Rhodium	< 0.0092 %	(0.0) %
44	Ru	Ruthenium	< 0.0100 %	(0.0) %
50	Sn	Tin	< 0.017 %	(0.0075) %
51	Sb	Antimony	< 0.022 %	(0.0) %
22	Ti	Titanium	< 0.0053 %	(0.0036) %
34	Se	Selenium	< 0.0019 %	(0.0) %
52	Te	Tellurium	< 0.18 %	(0.0) %
80	Hg	Mercury	< 0.020 %	(0.0) %
81	Tl	Thallium	< 0.0055 %	(0.0) %
23	V	Vanadium	< 0.0036 %	(0.0) %
74	W	Tungsten	< 0.025 %	(0.0) %
30	Zn	Zinc	< 0.0067 %	(0.0) %
76	Os	Osmium	< 0.0010 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %
Sum of concentration			99.97 %	

Preset Sample Data

Sample Name: **jola5**
 Description:
 Method: **1486-fpf**
 Job Number: **0**
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	< 0.020 %	(0.0) %
47	Ag	Silver	0.0189 %	0.0068 %
78	Pt	Platinum	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0020 %	(0.0) %
44	Ru	Ruthenium	0.0000 %	0.0 %
77	Ir	Iridium	< 0.0010 %	(0.0) %
46	Pd	Palladium	0.0286 %	0.0066 %
23	V	Vanadium	< 0.0068 %	(0.0) %
24	Cr	Chromium	< 0.0042 %	(0.0035) %
25	Mn	Manganese	< 0.0038 %	(0.0) %
26	Fe	Iron	< 0.0063 %	(0.0) %
27	Co	Cobalt	0.0124 %	0.0021 %
28	Ni	Nickel	0.1407 %	0.0046 %
29	Cu	Copper	95.22 %	0.13 %
30	Zn	Zinc	< 0.0100 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
42	Mo	Molybdenum	1.108 %	0.017 %
48	Cd	Cadmium	< 0.018 %	(0.0050) %
49	In	Indium	0.033 %	0.011 %
50	Sn	Tin	< 0.025 %	(0.0) %
51	Sb	Antimony	< 0.034 %	(0.0) %
74	W	Tungsten	< 0.025 %	(0.0) %
82	Pb	Lead	1.428 %	0.020 %

Preset Sample Data

Sample Name: **jola5b**
 Description:
 Method: **Alloysgs**
 Job Number: 0
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	0.0182 %	0.0029 %
47	Ag	Silver	0.0306 %	0.0041 %
46	Pd	Palladium	0.0108 %	0.0038 %
78	Pt	Platinum	0.0247 %	0.0028 %
29	Cu	Copper	> 98.47 %	0.08 %
48	Cd	Cadmium	< 0.0100 %	(0.0088) %
24	Cr	Chromium	< 0.030 %	(0.0) %
27	Co	Cobalt	< 0.020 %	(0.017) %
26	Fe	Iron	0.0071 %	0.0024 %
31	Ga	Gallium	< 0.0046 %	(0.0) %
49	In	Indium	0.0228 %	0.0067 %
77	Ir	Iridium	< 0.040 %	(0.0) %
42	Mo	Molybdenum	< 0.050 %	(0.0) %
25	Mn	Manganese	< 0.025 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
28	Ni	Nickel	0.1531 %	0.0026 %
82	Pb	Lead	1.223 %	0.010 %
45	Rh	Rhodium	< 0.0080 %	(0.0) %
44	Ru	Ruthenium	< 0.0086 %	(0.0) %
50	Sn	Tin	< 0.016 %	(0.0) %
51	Sb	Antimony	< 0.020 %	(0.0) %
22	Ti	Titanium	0.0119 %	0.0040 %
34	Se	Selenium	< 0.0018 %	(0.0) %
52	Te	Tellurium	< 0.16 %	(0.0) %
80	Hg	Mercury	< 0.0033 %	(0.0) %
81	Tl	Thallium	< 0.0056 %	(0.0) %
23	V	Vanadium	< 0.035 %	(0.0) %
74	W	Tungsten	< 0.025 %	(0.0) %
30	Zn	Zinc	< 0.0059 %	(0.0) %
76	Os	Osmium	< 0.0010 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %
Sum of concentration			99.97 %	

(Large Planchet)

Preset Sample Data

Sample Name: **jola6**
 Description:
 Method: **1486-fpf**
 Job Number: 0
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	< 0.020 %	(0.0) %
47	Ag	Silver	0.0684 %	0.0086 %
78	Pt	Platinum	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0020 %	(0.0) %
44	Ru	Ruthenium	0.0000 %	0.0 %
77	Ir	Iridium	< 0.0010 %	(0.0) %
46	Pd	Palladium	0.0202 %	0.0070 %
23	V	Vanadium	< 0.0073 %	(0.0) %
24	Cr	Chromium	< 0.0043 %	(0.0) %
25	Mn	Manganese	< 0.0038 %	(0.0015) %
26	Fe	Iron	< 0.0064 %	(0.0) %
27	Co	Cobalt	0.0136 %	0.0019 %
28	Ni	Nickel	0.0394 %	0.0037 %
29	Cu	Copper	> 98.57 %	0.13 %
30	Zn	Zinc	< 0.011 %	(0.0) %
40	Zr	Zirconium	0.0251 %	0.0013 %
41	Nb	Niobium	< 0.020 %	(0.0) %
42	Mo	Molybdenum	1.219 %	0.019 %
48	Cd	Cadmium	< 0.021 %	(0.011) %
49	In	Indium	< 0.027 %	(0.0) %
50	Sn	Tin	< 0.031 %	(0.0) %
51	Sb	Antimony	< 0.037 %	(0.0) %
74	W	Tungsten	< 0.025 %	(0.0) %
82	Pb	Lead	0.0150 %	0.0023 %

Preset Sample Data

Sample Name: **jola6b**
 Description:
 Method: **Alloysgs**
 Job Number: 0
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	< 0.020 %	(0.0) %
47	Ag	Silver	0.0582 %	0.0046 %
46	Pd	Palladium	0.0124 %	0.0039 %
78	Pt	Platinum	0.0146 %	0.0031 %
29	Cu	Copper	> 99.71 %	0.08 %
48	Cd	Cadmium	< 0.011 %	(0.0049) %
24	Cr	Chromium	< 0.030 %	(0.0) %
27	Co	Cobalt	0.0218 %	0.0010 %
26	Fe	Iron	0.0106 %	0.0023 %
31	Ga	Gallium	0.0103 %	0.0031 %
49	In	Indium	0.0345 %	0.0065 %
77	Ir	Iridium	< 0.043 %	(0.0) %
42	Mo	Molybdenum	< 0.050 %	(0.0) %
25	Mn	Manganese	< 0.025 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
28	Ni	Nickel	0.0457 %	0.0021 %
82	Pb	Lead	< 0.0039 %	(0.0) %
45	Rh	Rhodium	< 0.0091 %	(0.0) %
44	Ru	Ruthenium	< 0.0100 %	(0.0) %
50	Sn	Tin	0.0185 %	0.0077 %
51	Sb	Antimony	< 0.020 %	(0.0) %
22	Ti	Titanium	0.0488 %	0.0042 %
34	Se	Selenium	< 0.0015 %	(0.0) %
52	Te	Tellurium	< 0.16 %	(0.0) %
80	Hg	Mercury	< 0.0040 %	(0.0) %
81	Tl	Thallium	< 0.0046 %	(0.0) %
23	V	Vanadium	0.0085 %	0.0026 %
74	W	Tungsten	< 0.012 %	(0.0) %
30	Zn	Zinc	< 0.0063 %	(0.0) %
76	Os	Osmium	< 0.0010 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %
Sum of concentration			99.99 %	

Preset Sample Data

Sample Name:	jola1	Dilution Material:	
Description:		Sample Mass (g):	8.0000
Method:	1486-fpf	Dilution Mass (g):	0.0000
Job Number:	0	Dilution Factor:	1.0000
Sample State:	Alloys, 32 mm	Sample rotation:	No
Sample Type:	Legierung	Date of Receipt:	08/03/2011
Sample Status:	A X X X X X	Date of Evaluation:	08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	< 0.020 %	(0.0) %
47	Ag	Silver	0.0518 %	0.0082 %
78	Pt	Platinum	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0020 %	(0.0) %
44	Ru	Ruthenium	0.0000 %	0.0 %
77	Ir	Iridium	< 0.0010 %	(0.0) %
46	Pd	Palladium	0.0172 %	0.0067 %
23	V	Vanadium	< 0.0074 %	(0.0) %
24	Cr	Chromium	< 0.0046 %	(0.0012) %
25	Mn	Manganese	< 0.0042 %	(0.0016) %
26	Fe	Iron	0.01042 %	0.00057 %
27	Co	Cobalt	0.0100 %	0.0019 %
28	Ni	Nickel	0.0598 %	0.0038 %
29	Cu	Copper	> 97.66 %	0.13 %
30	Zn	Zinc	< 0.012 %	(0.0) %
40	Zr	Zirconium	0.00839 %	0.00051 %
41	Nb	Niobium	< 0.020 %	(0.0) %
42	Mo	Molybdenum	1.183 %	0.018 %
48	Cd	Cadmium	< 0.022 %	(0.0) %
49	In	Indium	< 0.026 %	(0.012) %
50	Sn	Tin	< 0.032 %	(0.0) %
51	Sb	Antimony	< 0.041 %	(0.0) %
74	W	Tungsten	< 0.025 %	(0.0) %
82	Pb	Lead	0.982 %	0.017 %

Preset Sample Data

Sample Name: **jola1a2**
 Description:
 Method: **1486-fpf**
 Job Number: **0**
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	< 0.020 %	(0.0) %
47	Ag	Silver	0.0568 %	0.0080 %
78	Pt	Platinum	< 0.020 %	(0.0) %
45	Rh	Rhodium	< 0.0020 %	(0.0) %
44	Ru	Ruthenium	0.0000 %	0.0 %
77	Ir	Iridium	< 0.0010 %	(0.0) %
46	Pd	Palladium	0.0161 %	0.0069 %
23	V	Vanadium	< 0.0074 %	(0.0) %
24	Cr	Chromium	< 0.0048 %	(0.0020) %
25	Mn	Manganese	< 0.0041 %	(0.0) %
26	Fe	Iron	< 0.0066 %	(0.0) %
27	Co	Cobalt	0.0120 %	0.0019 %
28	Ni	Nickel	0.0609 %	0.0038 %
29	Cu	Copper	> 97.57 %	0.13 %
30	Zn	Zinc	< 0.012 %	(0.0) %
40	Zr	Zirconium	0.01407 %	0.00084 %
41	Nb	Niobium	< 0.0038 %	(0.0) %
42	Mo	Molybdenum	1.175 %	0.018 %
48	Cd	Cadmium	< 0.023 %	(0.0) %
49	In	Indium	< 0.028 %	(0.014) %
50	Sn	Tin	< 0.030 %	(0.0) %
51	Sb	Antimony	< 0.040 %	(0.0) %
74	W	Tungsten	< 0.025 %	(0.0) %
82	Pb	Lead	1.082 %	0.018 %

Preset Sample Data

(Large Planchet)

Sample Name: ^Pjola7
 Description:
 Method: 1486-fpf
 Job Number: 0
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration		Abs. Error	
79	Au	Gold	< 0.020	%	(0.0)	%
47	Ag	Silver	0.0706	%	0.0084	%
78	Pt	Platinum	< 0.020	%	(0.0)	%
45	Rh	Rhodium	< 0.0020	%	(0.0)	%
44	Ru	Ruthenium	0.0000	%	0.0	%
77	Ir	Iridium	< 0.0010	%	(0.0)	%
46	Pd	Palladium	0.0275	%	0.0074	%
23	V	Vanadium	< 0.0073	%	(0.0)	%
24	Cr	Chromium	0.0045	%	0.0029	%
25	Mn	Manganese	< 0.0041	%	(0.0)	%
26	Fe	Iron	< 0.0067	%	(0.0)	%
27	Co	Cobalt	0.0288	%	0.0021	%
28	Ni	Nickel	0.0478	%	0.0037	%
29	Cu	Copper	> 97.73	%	0.13	%
30	Zn	Zinc	< 0.011	%	(0.0)	%
40	Zr	Zirconium	0.01387	%	0.00080	%
41	Nb	Niobium	< 0.020	%	(0.0)	%
42	Mo	Molybdenum	1.224	%	0.018	%
48	Cd	Cadmium	< 0.022	%	(0.0)	%
49	In	Indium	< 0.028	%	(0.0)	%
50	Sn	Tin	0.0434	%	0.0089	%
51	Sb	Antimony	< 0.038	%	(0.018)	%
74	W	Tungsten	< 0.025	%	(0.0)	%
82	Pb	Lead	0.775	%	0.015	%

Preset Sample Data

Sample Name: **jola7b**
 Description:
 Method: **Alloysgs**
 Job Number: **0**
 Sample State: **Alloys, 32 mm**
 Sample Type: **Legierung**
 Sample Status: **A X X X X X**

Dilution Material:
 Sample Mass (g): **8.0000**
 Dilution Mass (g): **0.0000**
 Dilution Factor: **1.0000**
 Sample rotation: **No**
 Date of Receipt: **08/03/2011**
 Date of Evaluation: **08/03/2011**

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	0.0208 %	0.0028 %
47	Ag	Silver	0.0665 %	0.0045 %
46	Pd	Palladium	0.0128 %	0.0037 %
78	Pt	Platinum	0.0259 %	0.0028 %
29	Cu	Copper	> 99.00 %	0.08 %
48	Cd	Cadmium	< 0.012 %	(0.0) %
24	Cr	Chromium	< 0.030 %	(0.0) %
27	Co	Cobalt	0.0358 %	0.0011 %
26	Fe	Iron	0.0153 %	0.0023 %
31	Ga	Gallium	< 0.0051 %	(0.0018) %
49	In	Indium	0.0202 %	0.0064 %
77	Ir	Iridium	< 0.043 %	(0.0) %
42	Mo	Molybdenum	< 0.050 %	(0.0) %
25	Mn	Manganese	< 0.025 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
28	Ni	Nickel	0.0551 %	0.0021 %
82	Pb	Lead	0.5871 %	0.0063 %
45	Rh	Rhodium	< 0.0090 %	(0.0) %
44	Ru	Ruthenium	< 0.0099 %	(0.0) %
50	Sn	Tin	0.1042 %	0.0087 %
51	Sb	Antimony	< 0.022 %	(0.017) %
22	Ti	Titanium	0.0331 %	0.0039 %
34	Se	Selenium	< 0.0018 %	(0.0) %
52	Te	Tellurium	< 0.18 %	(0.0) %
80	Hg	Mercury	< 0.0038 %	(0.0) %
81	Tl	Thallium	< 0.0053 %	(0.0) %
23	V	Vanadium	0.0037 %	0.0024 %
74	W	Tungsten	< 0.025 %	(0.0) %
30	Zn	Zinc	< 0.0065 %	(0.0) %
76	Os	Osmium	< 0.0010 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %

Sum of concentration

99.98 %

Preset Sample Data

(Small Planchet)

Sample Name: **jola9**
 Description:
 Method: **1486-fpf**
 Job Number: **0**
 Sample State: Alloys, 32 mm
 Sample Type: Legierung
 Sample Status: A X X X X X

Dilution Material:
 Sample Mass (g): 8.0000
 Dilution Mass (g): 0.0000
 Dilution Factor: 1.0000
 Sample rotation: No
 Date of Receipt: 08/03/2011
 Date of Evaluation: 08/03/2011

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration		Abs. Error	
79	Au	Gold	< 0.020	%	(0.0)	%
47	Ag	Silver	0.0712	%	0.0082	%
78	Pt	Platinum	< 0.020	%	(0.0)	%
45	Rh	Rhodium	< 0.0020	%	(0.0)	%
44	Ru	Ruthenium	0.0000	%	0.0	%
77	Ir	Iridium	< 0.0010	%	(0.0)	%
46	Pd	Palladium	0.0288	%	0.0062	%
23	V	Vanadium	< 0.0072	%	(0.0)	%
24	Cr	Chromium	< 0.0042	%	(0.0)	%
25	Mn	Manganese	< 0.0038	%	(0.0)	%
26	Fe	Iron	0.0215	%	0.0011	%
27	Co	Cobalt	0.0414	%	0.0023	%
28	Ni	Nickel	0.0444	%	0.0036	%
29	Cu	Copper	92.27	%	0.13	%
30	Zn	Zinc	< 0.011	%	(0.0)	%
40	Zr	Zirconium	< 0.050	%	(0.018)	%
41	Nb	Niobium	< 0.020	%	(0.0)	%
42	Mo	Molybdenum	1.033	%	0.016	%
48	Cd	Cadmium	< 0.018	%	(0.0)	%
49	In	Indium	< 0.027	%	(0.0)	%
50	Sn	Tin	< 0.028	%	(0.0)	%
51	Sb	Antimony	< 0.034	%	(0.0)	%
74	W	Tungsten	< 0.025	%	(0.0)	%
82	Pb	Lead	0.1739	%	0.0074	%

Preset Sample Data

Sample Name: **jola9b**
 Description:
 Method: **Alloysgs**
 Job Number: **0**
 Sample State: **Alloys, 32 mm**
 Sample Type: **Legierung**
 Sample Status: **A X X X X X**

Dilution Material:
 Sample Mass (g): **8.0000**
 Dilution Mass (g): **0.0000**
 Dilution Factor: **1.0000**
 Sample rotation: **No**
 Date of Receipt: **08/03/2011**
 Date of Evaluation: **08/03/2011**

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration	Abs. Error
79	Au	Gold	0.0254 %	0.0031 %
47	Ag	Silver	0.0641 %	0.0047 %
46	Pd	Palladium	0.0131 %	0.0038 %
78	Pt	Platinum	0.0226 %	0.0030 %
29	Cu	Copper	> 99.50 %	0.08 %
48	Cd	Cadmium	< 0.011 %	(0.0) %
24	Cr	Chromium	< 0.030 %	(0.0) %
27	Co	Cobalt	0.0556 %	0.0013 %
26	Fe	Iron	0.1134 %	0.0029 %
31	Ga	Gallium	0.0054 %	0.0030 %
49	In	Indium	0.0362 %	0.0064 %
77	Ir	Iridium	< 0.041 %	(0.0) %
42	Mo	Molybdenum	< 0.050 %	(0.0) %
25	Mn	Manganese	< 0.025 %	(0.0) %
41	Nb	Niobium	< 0.020 %	(0.0) %
28	Ni	Nickel	0.0510 %	0.0022 %
82	Pb	Lead	< 0.020 %	(0.0100) %
45	Rh	Rhodium	< 0.0084 %	(0.0) %
44	Ru	Ruthenium	< 0.0096 %	(0.0) %
50	Sn	Tin	< 0.016 %	(0.013) %
51	Sb	Antimony	< 0.020 %	(0.0) %
22	Ti	Titanium	0.0780 %	0.0047 %
34	Se	Selenium	< 0.0016 %	(0.0) %
52	Te	Tellurium	< 0.17 %	(0.0) %
80	Hg	Mercury	< 0.0037 %	(0.0) %
81	Tl	Thallium	< 0.0043 %	(0.0) %
23	V	Vanadium	0.0052 %	0.0027 %
74	W	Tungsten	< 0.025 %	(0.0) %
30	Zn	Zinc	< 0.0062 %	(0.0) %
76	Os	Osmium	< 0.0010 %	(0.0) %
40	Zr	Zirconium	< 0.050 %	(0.0) %

Sum of concentration

99.97 %

(Small Planchet)

Preset Sample Data

Sample Name: **jola10**
 Description:
 Method: **1486-fpf**
 Job Number: **0**
 Sample State: **Alloys, 32 mm**
 Sample Type: **Legierung**
 Sample Status: **A X X X X**

Dilution Material:
 Sample Mass (g): **8.0000**
 Dilution Mass (g): **0.0000**
 Dilution Factor: **1.0000**
 Sample rotation: **No**
 Date of Receipt: **08/03/2011**
 Date of Evaluation: **08/03/2011**

*No alloy SGS
 was run on
 this coin.*

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration		Abs. Error	
79	Au	Gold	< 0.020	%	(0.0)	%
47	Ag	Silver	0.0647	%	0.0079	%
78	Pt	Platinum	< 0.020	%	(0.0)	%
45	Rh	Rhodium	< 0.0020	%	(0.0)	%
44	Ru	Ruthenium	0.0000	%	0.0	%
77	Ir	Iridium	< 0.0010	%	(0.0)	%
46	Pd	Palladium	0.0204	%	0.0067	%
23	V	Vanadium	< 0.0076	%	(0.0)	%
24	Cr	Chromium	< 0.0039	%	(0.0)	%
25	Mn	Manganese	< 0.0036	%	(0.0022)	%
26	Fe	Iron	0.3206	%	0.0061	%
27	Co	Cobalt	0.0232	%	0.0027	%
28	Ni	Nickel	0.0372	%	0.0039	%
29	Cu	Copper	82.81	%	0.11	%
30	Zn	Zinc	< 0.0080	%	(0.0)	%
40	Zr	Zirconium	< 0.050	%	(0.030)	%
41	Nb	Niobium	0.0521	%	0.0012	%
42	Mo	Molybdenum	1.040	%	0.016	%
48	Cd	Cadmium	< 0.015	%	(0.0100)	%
49	In	Indium	0.021	%	0.012	%
50	Sn	Tin	< 0.022	%	(0.0)	%
51	Sb	Antimony	< 0.028	%	(0.0058)	%
74	W	Tungsten	< 0.015	%	(0.011)	%
82	Pb	Lead	0.467	%	0.011	%

Preset Sample Data

Sample Name:	jola11	Dilution Material:	
Description:		Sample Mass (g):	8.0000
Method:	1486-fpf	Dilution Mass (g):	0.0000
Job Number:	0	Dilution Factor:	1.0000
Sample State:	Alloys, 32 mm	Sample rotation:	No
Sample Type:	Legierung	Date of Receipt:	08/03/2011
Sample Status:	A X X X X X	Date of Evaluation:	08/03/2011

no alloy SGS was run on this coin.

Results

The error is the statistical error with 1 sigma confidence interval

Z	Symbol	Element	Concentration		Abs. Error	
79	Au	Gold	< 0.020	%	(0.0)	%
47	Ag	Silver	0.0352	%	0.0077	%
78	Pt	Platinum	< 0.020	%	(0.0)	%
45	Rh	Rhodium	< 0.0020	%	(0.0)	%
44	Ru	Ruthenium	0.0000	%	0.0	%
77	Ir	Iridium	< 0.0010	%	(0.0)	%
46	Pd	Palladium	0.0176	%	0.0066	%
23	V	Vanadium	0.0188	%	0.0062	%
24	Cr	Chromium	< 0.0042	%	(0.0)	%
25	Mn	Manganese	< 0.0035	%	(0.0015)	%
26	Fe	Iron	0.1522	%	0.0041	%
27	Co	Cobalt	0.0230	%	0.0024	%
28	Ni	Nickel	0.0375	%	0.0037	%
29	Cu	Copper	82.99	%	0.11	%
30	Zn	Zinc	0.0650	%	0.0029	%
40	Zr	Zirconium	< 0.050	%	(0.029)	%
41	Nb	Niobium	< 0.020	%	(0.0)	%
42	Mo	Molybdenum	1.127	%	0.017	%
48	Cd	Cadmium	< 0.016	%	(0.013)	%
49	In	Indium	0.023	%	0.011	%
50	Sn	Tin	< 0.022	%	(0.0)	%
51	Sb	Antimony	< 0.029	%	(0.0)	%
74	W	Tungsten	< 0.016	%	(0.011)	%
82	Pb	Lead	0.3755	%	0.0098	%