

Institut für Kunsttechnik und Konservierung  
Kornmarkt 1  
90402 Nürnberg

### Certificate of Verification

XL3t-69288

Reading No 8  
Mode Mining  
Time 2013-10-01 14:13  
Duration 120.13  
Units ppm  
Sigma Value 2  
Sequence Final  
Flags  
INV.NR. GNM GM 35  
OBJEKT TAFELGEMAELEN  
MATERIAL HOLZ FASSUNG METALL  
ANALYSESTELLE P1 GOLD  
MESSAUFBAU STATIV ANLIEGEND  
FILTER m30lo30hi30li30  
User Login Raquet



	ppm	±	Error
Ce	< LOD	:	174.058
La	< LOD	:	79.666
Ba	< LOD	:	107.534
Sb	< LOD	:	28.341
Sn	< LOD	:	16.690
Cd	< LOD	:	10.156
Ag	154.238	±	9.397
Bal	696621.938	±	1560.768
Nb	< LOD	:	4.065
Zr	< LOD	:	17.116
Y	< LOD	:	3.303
Sr	592.649	±	9.621
Rb	38.794	±	7.301
Th	< LOD	:	227.346
Bi	< LOD	:	196.941
Au	6005.555	±	82.787
As	78.626	±	17.532
Se	< LOD	:	14.106
Pb	451.058	±	15.535
Hg	< LOD	:	11.749
Zn	232.051	±	20.413
Cu	463.584	±	25.105
Ni	< LOD	:	44.358
Co	< LOD	:	56.932
Fe	4300.522	±	116.375
Mn	< LOD	:	109.821
Cr	102.554	±	29.963
V	< LOD	:	56.041
Ti	1590.248	±	178.837
Ca	194999.922	±	1211.912
K	4867.299	±	224.034
Al	12980.118	±	1596.873
P	32922.320	±	430.032
Si	29898.779	±	937.172
Cl	1314.705	±	48.280
S	12298.305	±	156.260
Mg	< LOD	:	18772.727

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### Certificate of Verification

XL3t-69288

Reading No 9  
Mode Mining  
Time 2013-10-01 14:27  
Duration 120.34  
Units ppm  
Sigma Value 2  
Sequence Final  
Flags  
INV.NR. GNM GM 35  
OBJEKT TAFELGEMAELEN  
MATERIAL HOLZ FASSUNG METALL  
ANALYSESTELLE P2 GOLD SCHRITT  
MESSAUFBAU STATIV ANLIEGEND  
FILTER m30lo30hi30li30  
User Login Raquet



	ppm	±	Error
Ce	< LOD	:	204.388
La	< LOD	:	120.349
Ba	< LOD	:	99.591
Sb	38.812	±	23.536
Sn	< LOD	:	16.648
Cd	< LOD	:	11.554
Ag	12.578	±	6.090
Bal	756341.875	±	1458.923
Nb	< LOD	:	12.162
Zr	< LOD	:	51.063
Y	< LOD	:	10.381
Sr	560.794	±	11.107
Rb	36.173	±	14.794
Th	< LOD	:	642.354
Bi	< LOD	:	657.369
Au	5938.111	±	100.070
As	2042.342	±	75.438
Se	< LOD	:	18.902
Pb	6996.040	±	97.188
Hg	< LOD	:	16.989
Zn	195.961	±	21.739
Cu	893.139	±	36.698
Ni	< LOD	:	50.322
Co	< LOD	:	99.925
Fe	14073.079	±	256.176
Mn	936.981	±	101.613
Cr	101.012	±	30.949
V	< LOD	:	41.227
Ti	350.892	±	147.842
Ca	144554.688	±	1290.292
K	3404.367	±	207.224
Al	4703.666	±	1193.938
P	18124.943	±	346.371
Si	18727.289	±	761.458
Cl	1815.067	±	54.166
S	20113.469	±	242.258
Mg	< LOD	:	17940.121

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### Certificate of Verification

XL3t-69288

Reading No 10  
Mode Mining  
Time 2013-10-01 14:35  
Duration 121.02  
Units ppm  
Sigma Value 2  
Sequence Final  
Flags  
INV.NR. GNM GM 35  
OBJEKT TAFELGEMAELEN  
MATERIAL HOLZ FASSUNG METALL  
ANALYSESTELLE P3 GOLD SCHAECHER RECHTS  
MESSAUFBAU STATIV ANLIEGEND  
FILTER m30lo30hi30li30  
User Login Raquet



	ppm	±	Error
Ce	< LOD	:	142.985
La	< LOD	:	65.362
Ba	500.323	±	52.031
Sb	< LOD	:	23.602
Sn	< LOD	:	18.388
Cd	< LOD	:	12.722
Ag	27.473	±	5.065
Bal	756020.063	±	1237.551
Nb	< LOD	:	4.064
Zr	< LOD	:	17.004
Y	< LOD	:	3.416
Sr	699.349	±	9.935
Rb	20.907	±	5.908
Th	< LOD	:	240.231
Bi	< LOD	:	191.728
Au	2321.094	±	44.943
As	243.660	±	23.688
Se	< LOD	:	9.210
Pb	977.745	±	21.225
Hg	< LOD	:	6.261
Zn	167.615	±	14.743
Cu	300.625	±	20.154
Ni	< LOD	:	38.494
Co	< LOD	:	55.251
Fe	4727.980	±	115.432
Mn	< LOD	:	98.600
Cr	84.379	±	25.502
V	< LOD	:	66.539
Ti	2323.653	±	188.253
Ca	146662.391	±	942.410
K	6468.994	±	207.237
Al	11025.239	±	1249.811
P	22194.586	±	331.299
Si	30672.176	±	840.571
Cl	930.664	±	39.091
S	13564.135	±	153.517
Mg	< LOD	:	13867.006

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### Certificate of Verification

XL3t-69288

Reading No 11  
Mode General Metals  
Time 2013-10-01 14:43  
Duration 90.47  
Units %  
Sigma Value 2  
Sequence Final  
Alloy1 Al-1100 : \*3.16  
Alloy2 AlMgSi0,5\_6060 : \*3.29  
Flags  
INV.NR. GNM GM35  
OBJEKT TAFELGEMAELEN  
MATERIAL HOLZ FASSUNG METALL  
ANALYSESTELLE P3 SCHAECHER RECHTS  
MESSAUFBAU STATIV ANLIEGEND  
FILTER m30lo30li30  
User Login Raquet



	%	±	Error
Sb	< LOD	:	0.002
Sn	< LOD	:	0.002
Cd	< LOD	:	0.002
Ag	< LOD	:	0.002
Nb	< LOD	:	0.002
Zr	0.009	±	0.001
Bi	< LOD	:	0.002
Au	0.250	±	0.003
As	0.119	±	0.009
Se	< LOD	:	0.002
Pb	0.094	±	0.001
Hg	< LOD	:	0.005
Zn	0.015	±	0.001
Cu	*0.029	±	0.001
Ni	< LOD	:	0.003
Co	< LOD	:	0.004
Fe	0.530	±	0.007
Mn	< LOD	:	0.005
Cr	< LOD	:	0.008
V	< LOD	:	0.017
Ti	< LOD	:	0.036
Al	98.953	±	0.006
Pd	< LOD	:	0.002
Ru	< LOD	:	0.002
Mo	< LOD	:	0.002
W	< LOD	:	0.002

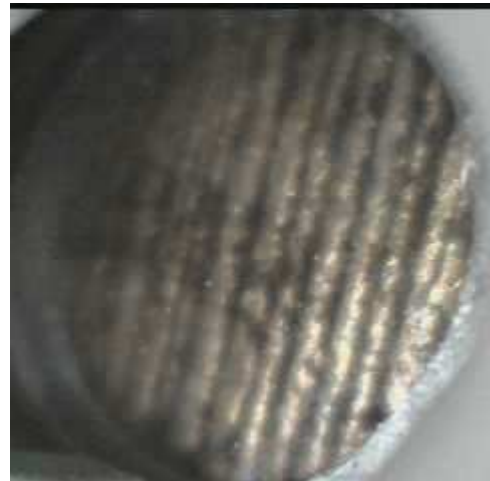
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### Certificate of Verification

XL3t-69288

Reading No 12  
Mode Mining  
Time 2013-10-01 14:53  
Duration 122.37  
Units ppm  
Sigma Value 2  
Sequence Final  
Flags  
INV.NR. GNM GM 35  
OBJEKT TAFELGEMAELEN  
MATERIAL HOLZ FASSUNG METALL  
ANALYSESTELLE P4 GEWAND  
MESSAUFBAU STATIV ANLIEGEND  
FILTER m30lo30hi30li30  
User Login Raquet



	ppm	±	Error
Ce	< LOD	:	206.643
La	< LOD	:	112.082
Ba	< LOD	:	150.424
Sb	< LOD	:	33.090
Sn	57.385	±	13.064
Cd	< LOD	:	12.923
Ag	31.767	±	6.710
Bal	752288.313	±	1813.372
Nb	38.182	±	19.144
Zr	< LOD	:	109.458
Y	< LOD	:	25.180
Sr	291.656	±	10.011
Rb	< LOD	:	64.403
Th	< LOD	:	1418.112
Bi	< LOD	:	1596.584
Au	2501.866	±	76.287
As	5405.559	±	175.564
Se	< LOD	:	38.715
Pb	27803.254	±	439.902
Hg	127.912	±	21.721
Zn	239.138	±	22.201
Cu	659.999	±	36.585
Ni	< LOD	:	57.309
Co	< LOD	:	149.486
Fe	26180.742	±	504.809
Mn	975.738	±	108.078
Cr	81.868	±	29.503
V	< LOD	:	43.917
Ti	< LOD	:	224.888
Ca	108704.664	±	1391.913
K	2303.398	±	189.349
Al	3178.222	±	920.387
P	23153.389	±	412.655
Si	12018.126	±	571.235
Cl	1573.079	±	44.535
S	19401.922	±	294.193
Mg	< LOD	:	14639.605

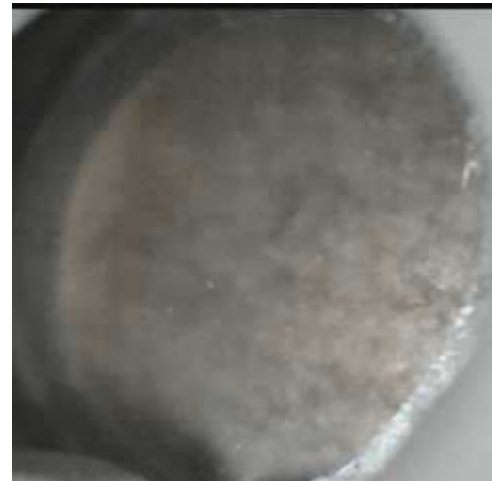
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### Certificate of Verification

XL3t-69288

Reading No 13  
Mode Mining  
Time 2013-10-01 14:59  
Duration 122.98  
Units ppm  
Sigma Value 2  
Sequence Final  
Flags  
INV.NR. GNM GM 35  
OBJEKT TAFELGEMAELEN  
MATERIAL HOLZ FASSUNG METALL  
ANALYSESTELLE P5 SCHILD  
MESSAUFBAU STATIV ANLIEGEND  
FILTER m30lo30hi30li30  
User Login Raquet



	ppm	±	Error
Ce	< LOD	:	127.462
La	< LOD	:	58.409
Ba	502.600	±	47.196
Sb	< LOD	:	21.787
Sn	< LOD	:	14.315
Cd	< LOD	:	11.736
Ag	802.295	±	16.813
Bal	834130.313	±	858.148
Nb	< LOD	:	4.373
Zr	< LOD	:	18.080
Y	< LOD	:	3.786
Sr	660.621	±	9.235
Rb	< LOD	:	11.023
Th	< LOD	:	266.332
Bi	< LOD	:	241.522
Au	< LOD	:	9.618
As	519.801	±	30.609
Se	< LOD	:	6.266
Pb	1744.248	±	28.268
Hg	< LOD	:	4.084
Zn	146.096	±	10.956
Cu	59.216	±	13.436
Ni	< LOD	:	37.067
Co	< LOD	:	38.788
Fe	1472.707	±	67.520
Mn	< LOD	:	88.477
Cr	55.872	±	18.146
V	< LOD	:	31.646
Ti	< LOD	:	230.351
Ca	121963.422	±	840.554
K	4727.294	±	236.604
Al	2422.365	±	871.619
P	2190.884	±	154.212
Si	9783.364	±	497.054
Cl	2917.760	±	57.701
S	15901.139	±	168.058
Mg	< LOD	:	14142.506

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### Certificate of Verification

XL3t-69288

Reading No 14  
Mode Mining  
Time 2013-10-01 15:04  
Duration 121.72  
Units ppm  
Sigma Value 2  
Sequence Final  
Flags  
INV.NR. GNM GM 35  
OBJEKT TAFELGEMAELEN  
MATERIAL HOLZ FASSUNG METALL  
ANALYSESTELLE P6 SCHILD ORIGINAL  
MESSAUFBAU STATIV ANLIEGEND  
FILTER m30lo30hi30li30  
User Login Raquet



	ppm	±	Error
Ce	< LOD	:	185.297
La	< LOD	:	84.682
Ba	< LOD	:	90.868
Sb	< LOD	:	30.160
Sn	284.387	±	20.508
Cd	< LOD	:	10.803
Ag	1525.588	±	30.491
Bal	879805.438	±	836.174
Nb	21.320	±	11.754
Zr	< LOD	:	72.177
Y	< LOD	:	15.034
Sr	400.699	±	9.647
Rb	< LOD	:	29.629
Th	< LOD	:	903.087
Bi	< LOD	:	997.269
Au	< LOD	:	24.854
As	4244.067	±	119.939
Se	< LOD	:	15.800
Pb	14945.211	±	218.671
Hg	< LOD	:	13.558
Zn	204.054	±	15.048
Cu	688.734	±	33.090
Ni	< LOD	:	47.712
Co	< LOD	:	71.642
Fe	4427.363	±	141.457
Mn	< LOD	:	132.952
Cr	62.905	±	21.895
V	< LOD	:	32.586
Ti	< LOD	:	181.457
Ca	42933.758	±	636.489
K	4076.200	±	296.031
Al	3173.462	±	821.428
P	3161.816	±	168.178
Si	13486.669	±	559.287
Cl	4076.472	±	83.602
S	22466.189	±	347.250
Mg	< LOD	:	12986.393

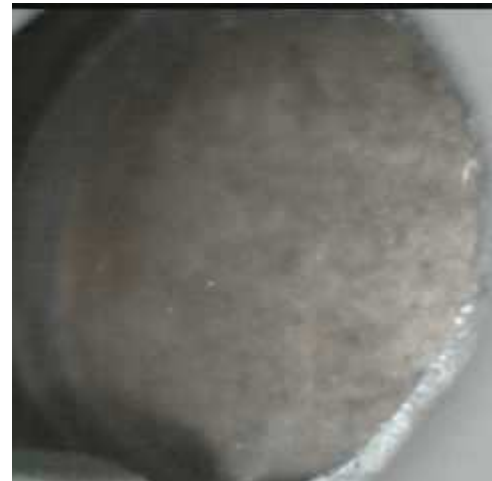
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Kornmarkt 1  
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### Certificate of Verification

XL3t-69288

Reading No 15  
Mode Mining  
Time 2013-10-01 15:11  
Duration 121.88  
Units ppm  
Sigma Value 2  
Sequence Final  
Flags  
INV.NR. GNM GM 35  
OBJEKT TAFELGEMAELEN  
MATERIAL HOLZ FASSUNG METALL  
ANALYSESTELLE P5 SCHILD  
MESSAUFBAU STATIV ANLIEGEND  
FILTER m30lo30hi30li30  
User Login Raquet



	ppm	±	Error
Ce	< LOD	:	135.785
La	< LOD	:	62.472
Ba	410.608	±	49.342
Sb	< LOD	:	22.796
Sn	< LOD	:	15.759
Cd	10.370	±	6.228
Ag	967.285	±	19.240
Bal	820844.625	±	924.547
Nb	< LOD	:	4.871
Zr	< LOD	:	20.616
Y	< LOD	:	4.253
Sr	501.493	±	7.924
Rb	< LOD	:	8.930
Th	< LOD	:	294.687
Bi	< LOD	:	256.123
Au	< LOD	:	10.125
As	591.916	±	33.823
Se	< LOD	:	6.171
Pb	2105.097	±	32.189
Hg	< LOD	:	4.406
Zn	83.714	±	9.236
Cu	80.560	±	14.328
Ni	< LOD	:	37.977
Co	47.575	±	31.074
Fe	2165.380	±	79.813
Mn	< LOD	:	93.194
Cr	35.234	±	20.429
V	< LOD	:	34.250
Ti	134.852	±	89.083
Ca	135074.984	±	932.353
K	5121.463	±	259.770
Al	2516.687	±	948.987
P	2098.083	±	155.595
Si	11328.194	±	545.926
Cl	2613.416	±	58.100
S	13262.091	±	154.798
Mg	< LOD	:	25139.137

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