Institut für Kunsttechnik und Konservierung (IKK)
Kornmarkt 1
90402 Nürnberg

Certificate of Verification

XL3t-69288

Reading No	1
Mode	Mining
Time	2015-11-27 10:46
Duration	121.94
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P1 ROTER LACK
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	104.932
La	1.000	+/-	48.184
Ba	1.000	+/-	51.715
Sb	26.352	+/-	18.575
Sn	1.000	+/-	10.026
Cd	1.000	+/-	6.038
Ag	4.938	+/-	4.637
Bal	860354.625	+/-	792.305
Nb	1.000	+/-	2.569
Zr	1.000	+/-	10.503
Y	1.000	+/-	2.117
Sr	446.260	+/-	7.928
Rb	27.389	+/-	6.295
Th	1.000	+/-	148.016
Bi	1.000	+/-	131.814
Au	3738.582	+/-	61.008
As	144.294	+/-	19.704
Se	1.000	+/-	7.620
Pb	600.737	+/-	17.327
Hg	71.743	+/-	7.436
Zn	276.336	+/-	19.035
Cu	221.317	+/-	19.342
Ni	1.000	+/-	27.814
Co	1.000	+/-	65.506
Fe	18468.170	+/-	241.637
Mn	145.686	+/-	69.813
Cr	130.315	+/-	26.564
V	54.266	+/-	29.161
Ti	987.418	+/-	164.188
Ca	83505.961	+/-	643.760
K	4129.050	+/-	192.655
Al	2179.718	+/-	714.608
P	4167.604	+/-	153.248
Si	7953.221	+/-	431.088
Cl	2165.680	+/-	46.289
S	10200.363	+/-	122.179
Mg	1.000	+/-	7186.692

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XL3t-69288

Reading No	2
Mode	Mining
Time	2015-11-27 10:51
Duration	122.01
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P2 HINTERGRUND
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	107.987
La	1.000	+/-	49.585
Ba	1.000	+/-	53.921
Sb	1.000	+/-	28.601
Sn	1.000	+/-	8.882
Cd	1.000	+/-	6.156
Ag	9.628	+/-	4.869
Bal	743252.313	+/-	1370.589
Nb	1.000	+/-	2.765
Zr	1.000	+/-	12.358
Y	1.000	+/-	2.313
Sr	517.488	+/-	8.881
Rb	36.415	+/-	7.321
Th	1.000	+/-	158.282
Bi	1.000	+/-	157.443
Au	5731.709	+/-	80.500
As	130.543	+/-	19.622
Se	1.000	+/-	9.313
Pb	567.288	+/-	17.348
Hg	95.207	+/-	8.848
Zn	194.297	+/-	19.440
Cu	199.225	+/-	19.002
Ni	1.000	+/-	29.242
Co	1.000	+/-	77.169
Fe	26478.518	+/-	303.397
Mn	227.130	+/-	75.885
Cr	188.059	+/-	31.018
V	55.128	+/-	35.888
Ti	1948.274	+/-	211.446
Ca	95802.711	+/-	732.267
K	4864.982	+/-	222.174
Al	13968.283	+/-	1371.670
P	57294.719	+/-	544.078
Si	29699.631	+/-	880.243
Cl	726.340	+/-	38.564
S	18012.057	+/-	186.252
Mg	1.000	+/-	10296.722

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XL3t-69288

Reading No	3
Mode	Mining
Time	2015-11-27 10:55
Duration	120.04
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P3 PATENE
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	113.192
La	1.000	+/-	51.985
Ba	1.000	+/-	73.124
Sb	1.000	+/-	21.344
Sn	11.860	+/-	10.315
Cd	1.000	+/-	6.563
Ag	9.621	+/-	5.155
Bal	804569.500	+/-	1071.731
Nb	1.000	+/-	2.896
Zr	1.000	+/-	19.306
Y	1.000	+/-	2.477
Sr	550.464	+/-	9.196
Rb	26.430	+/-	6.644
Th	1.000	+/-	166.138
Bi	1.000	+/-	177.739
Au	3346.696	+/-	59.047
As	243.729	+/-	23.869
Se	1.000	+/-	7.589
Pb	842.363	+/-	21.052
Hg	63.812	+/-	7.481
Zn	160.656	+/-	16.711
Cu	135.151	+/-	17.750
Ni	1.000	+/-	29.444
Co	1.000	+/-	79.436
Fe	27618.584	+/-	316.902
Mn	231.618	+/-	74.976
Cr	152.266	+/-	33.313
V	80.586	+/-	37.130
Ti	2206.977	+/-	220.599
Ca	108033.852	+/-	800.246
K	4381.709	+/-	218.159
Al	2597.672	+/-	1015.541
P	21234.973	+/-	341.142
Si	12279.204	+/-	658.487
Cl	797.827	+/-	44.103
S	10424.529	+/-	141.072
Mg	1.000	+/-	10501.343

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XL3t-69288

Reading No	4
Mode	Mining
Time	2015-11-27 10:59
Duration	121.55
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P4 TIARA
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	100.779
La	1.000	+/-	46.455
Ba	1.000	+/-	49.465
Sb	29.497	+/-	17.854
Sn	1.000	+/-	10.355
Cd	1.000	+/-	8.992
Ag	10.927	+/-	4.656
Bal	839770.063	+/-	865.777
Nb	1.000	+/-	2.950
Zr	1.000	+/-	12.381
Y	1.000	+/-	2.507
Sr	477.357	+/-	8.095
Rb	21.431	+/-	6.773
Th	1.000	+/-	175.693
Bi	1.000	+/-	172.218
Au	3671.282	+/-	59.521
As	344.851	+/-	26.603
Se	1.000	+/-	7.572
Pb	1170.741	+/-	23.989
Hg	43.039	+/-	7.104
Zn	139.850	+/-	15.979
Cu	940.164	+/-	31.727
Ni	1.000	+/-	27.151
Co	1.000	+/-	73.118
Fe	26003.473	+/-	291.687
Mn	284.556	+/-	71.489
Cr	171.582	+/-	29.720
V	69.073	+/-	32.321
Ti	1811.251	+/-	191.649
Ca	82326.633	+/-	645.455
K	3843.145	+/-	197.174
Al	2616.618	+/-	772.253
P	15891.730	+/-	268.632
Si	7844.334	+/-	492.271
Cl	1714.675	+/-	43.455
S	10803.799	+/-	131.906
Mg	1.000	+/-	7527.661

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XL3t-69288

Reading No	5
Mode	Mining
Time	2015-11-27 11:03
Duration	120.16
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P5 MITRA
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	108.884
La	1.000	+/-	50.108
Ba	1.000	+/-	53.413
Sb	27.321	+/-	19.123
Sn	1.000	+/-	15.366
Cd	1.000	+/-	7.321
Ag	30.836	+/-	5.693
Bal	809961.500	+/-	1110.156
Nb	1.000	+/-	3.298
Zr	1.000	+/-	16.945
Y	1.000	+/-	2.669
Sr	467.098	+/-	8.986
Rb	56.626	+/-	9.685
Th	1.000	+/-	187.582
Bi	1.000	+/-	206.161
Au	10337.512	+/-	125.040
As	144.644	+/-	21.494
Se	1.000	+/-	12.716
Pb	604.699	+/-	19.195
Hg	36.804	+/-	10.207
Zn	212.143	+/-	24.161
Cu	334.758	+/-	23.262
Ni	1.000	+/-	29.735
Co	1.000	+/-	71.125
Fe	19868.518	+/-	269.498
Mn	149.577	+/-	74.640
Cr	247.174	+/-	27.851
V	41.295	+/-	28.645
Ti	1092.731	+/-	163.947
Ca	75195.008	+/-	642.878
K	2962.750	+/-	178.924
Al	2994.502	+/-	843.560
P	50930.168	+/-	506.792
Si	6118.512	+/-	562.575
Cl	982.381	+/-	37.584
S	17203.510	+/-	180.760
Mg	1.000	+/-	8781.013

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XL3t-69288

Reading No	6
Mode	Mining
Time	2015-11-27 11:08
Duration	121.05
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P6 BROKAT
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	148.735
La	1.000	+/-	67.807
Ba	1.000	+/-	72.265
Sb	1.000	+/-	22.736
Sn	6087.089	+/-	92.959
Cd	62.212	+/-	11.167
Ag	188.987	+/-	11.284
Bal	828611.438	+/-	1264.214
Nb	14.697	+/-	12.480
Zr	1.000	+/-	52.510
Y	1.000	+/-	10.910
Sr	364.224	+/-	10.135
Rb	58.930	+/-	22.769
Th	1.000	+/-	634.146
Bi	1.000	+/-	687.384
Au	9672.191	+/-	163.828
As	3530.304	+/-	114.449
Se	1.000	+/-	17.103
Pb	13027.285	+/-	197.281
Hg	1.000	+/-	15.002
Zn	481.469	+/-	31.658
Cu	643.028	+/-	34.619
Ni	1.000	+/-	37.870
Co	1.000	+/-	60.550
Fe	8360.626	+/-	212.115
Mn	271.362	+/-	95.981
Cr	1705.650	+/-	43.349
V	1.000	+/-	36.323
Ti	268.606	+/-	125.518
Ca	42696.809	+/-	617.950
K	3420.698	+/-	208.178
Al	4438.182	+/-	842.796
P	40954.027	+/-	621.972
Si	11356.498	+/-	601.110
Cl	2314.614	+/-	55.095
S	21471.055	+/-	319.029
Mg	1.000	+/-	7765.698

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XL3t-69288

Reading No	7
Mode	Mining
Time	2015-11-27 11:11
Duration	122.10
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P7 BROKAT
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	155.879
La	1.000	+/-	98.682
Ba	86.560	+/-	77.000
Sb	1.000	+/-	24.377
Sn	1709.515	+/-	40.979
Cd	1.000	+/-	10.202
Ag	23.736	+/-	7.028
Bal	831540.688	+/-	1314.839
Nb	27.934	+/-	17.714
Zr	1.000	+/-	63.261
Y	1.000	+/-	15.582
Sr	377.207	+/-	12.324
Rb	1.000	+/-	40.400
Th	1.000	+/-	873.380
Bi	1.000	+/-	896.272
Au	1764.172	+/-	71.043
As	6001.018	+/-	173.023
Se	1.000	+/-	24.047
Pb	23372.953	+/-	373.840
Hg	1963.731	+/-	46.842
Zn	700.179	+/-	35.744
Cu	2713.990	+/-	78.109
Ni	1.000	+/-	38.924
Co	1.000	+/-	65.815
Fe	10278.611	+/-	259.121
Mn	306.961	+/-	98.262
Cr	1115.400	+/-	39.186
V	30.381	+/-	30.260
Ti	1.000	+/-	260.138
Ca	57576.266	+/-	855.425
K	4572.473	+/-	222.917
Al	2058.176	+/-	751.482
P	12873.876	+/-	292.555
Si	12946.039	+/-	552.577
Cl	2242.835	+/-	55.088
S	25717.289	+/-	402.585
Mg	1.000	+/-	7557.528

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Reading No	8
Mode	Mining
Time	2015-11-27 11:15
Duration	122.02
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P8 BROKAT
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	159.668
La	1.000	+/-	74.177
Ba	1.000	+/-	112.131
Sb	1.000	+/-	24.377
Sn	6492.919	+/-	103.330
Cd	47.751	+/-	11.483
Ag	103.152	+/-	9.604
Bal	844692.063	+/-	1242.797
Nb	20.717	+/-	16.015
Zr	1.000	+/-	56.319
Y	1.000	+/-	14.084
Sr	334.213	+/-	10.823
Rb	31.384	+/-	27.312
Th	1.000	+/-	799.797
Bi	1.000	+/-	769.338
Au	3178.613	+/-	86.672
As	4871.742	+/-	151.457
Se	1.000	+/-	18.283
Pb	19454.311	+/-	307.263
Hg	839.959	+/-	29.951
Zn	1621.029	+/-	51.953
Cu	333.893	+/-	28.635
Ni	1.000	+/-	39.540
Co	1.000	+/-	79.293
Fe	16536.359	+/-	351.049
Mn	562.898	+/-	117.968
Cr	4131.155	+/-	78.291
V	58.901	+/-	33.304
Ti	533.746	+/-	178.130
Ca	34899.469	+/-	555.104
K	6572.258	+/-	258.695
Al	3960.243	+/-	721.277
P	9984.273	+/-	237.955
Si	17678.447	+/-	585.548
Cl	1808.492	+/-	46.111
S	21251.957	+/-	333.195
Mg	1.000	+/-	8082.957

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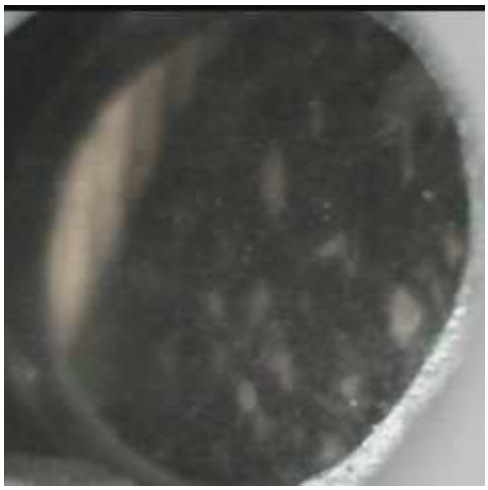
Reading No	9
Mode	Mining
Time	2015-11-27 11:20
Duration	122.21
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P9 SCHWARZZEICHNUNG
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet



	ppm	+/-	Error
Ce	-339.000	+/-	91.049
La	1.000	+/-	42.040
Ba	1.000	+/-	44.973
Sb	35.287	+/-	16.519
Sn	13.767	+/-	8.522
Cd	8.753	+/-	6.181
Ag	8.395	+/-	4.217
Bal	855530.000	+/-	767.906
Nb	1.000	+/-	2.202
Zr	1.000	+/-	10.610
Y	1.000	+/-	1.862
Sr	397.017	+/-	6.992
Rb	20.826	+/-	5.347
Th	1.000	+/-	126.115
Bi	1.000	+/-	111.251
Au	2978.797	+/-	50.750
As	157.976	+/-	18.196
Se	1.000	+/-	6.308
Pb	565.056	+/-	15.778
Hg	110.319	+/-	7.409
Zn	153.680	+/-	15.772
Cu	2481.085	+/-	49.077
Ni	1.000	+/-	25.976
Co	1.000	+/-	77.114
Fe	32500.094	+/-	309.356
Mn	261.266	+/-	66.125
Cr	164.267	+/-	28.937
V	104.318	+/-	34.333
Ti	2268.527	+/-	205.412
Ca	56360.355	+/-	474.290
K	4382.104	+/-	202.233
Al	2811.068	+/-	704.587
P	17522.000	+/-	251.918
Si	10887.229	+/-	491.575
Cl	1134.162	+/-	36.081
S	9143.601	+/-	108.040
Mg	1.000	+/-	7221.242

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XL3t-69288

Reading No	10
Mode	Mining
Time	2015-11-27 11:25
Duration	121.83
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P10 PLUVIALE
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	94.495
La	1.000	+/-	43.014
Ba	1.000	+/-	46.367
Sb	22.220	+/-	16.671
Sn	28.131	+/-	9.055
Cd	7.130	+/-	6.271
Ag	12.718	+/-	4.489
Bal	821341.188	+/-	949.144
Nb	1.000	+/-	2.834
Zr	1.000	+/-	11.899
Y	1.000	+/-	2.383
Sr	465.482	+/-	7.948
Rb	33.158	+/-	6.790
Th	1.000	+/-	165.953
Bi	1.000	+/-	135.388
Au	4201.139	+/-	63.750
As	260.294	+/-	23.527
Se	1.000	+/-	7.707
Pb	927.316	+/-	20.950
Hg	204.882	+/-	9.757
Zn	187.213	+/-	17.277
Cu	202.831	+/-	18.078
Ni	1.000	+/-	26.172
Co	1.000	+/-	82.028
Fe	34629.371	+/-	337.907
Mn	249.855	+/-	68.798
Cr	217.062	+/-	33.065
V	98.284	+/-	39.088
Ti	2768.252	+/-	234.728
Ca	59228.188	+/-	518.660
K	5911.381	+/-	240.002
Al	4700.732	+/-	852.694
P	32664.115	+/-	374.378
Si	16956.742	+/-	643.056
Cl	1167.297	+/-	37.847
S	13515.020	+/-	146.239
Mg	1.000	+/-	8061.917

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XL3t-69288

Reading No	11
Mode	Mining
Time	2015-11-27 11:30
Duration	121.34
Units	ppm
Sigma Value	2
Sequence	Final
Flags	
INV NR	Gm156
OBJEKT	TAFELGEMAELDE
MATERIAL	HOLZ METALL FASSUNG
ANALYSESTELLE	P11 WAPPEN
MESSAUFBAU	STATIV ANLIEGEND
FILTER	m30lo30hi30li30
User Login	Raquet

	ppm	+/-	Error
Ce	-339.000	+/-	74.682
La	1.000	+/-	34.365
Ba	1.000	+/-	36.798
Sb	1.000	+/-	12.240
Sn	59.661	+/-	10.294
Cd	12.527	+/-	5.135
Ag	793.325	+/-	16.322
Bal	928292.000	+/-	483.354
Nb	35.557	+/-	11.835
Zr	1.000	+/-	45.649
Y	1.000	+/-	9.786
Sr	58.975	+/-	3.784
Rb	1.000	+/-	18.928
Th	1.000	+/-	591.727
Bi	1.000	+/-	636.021
Au	1.000	+/-	14.601
As	4073.730	+/-	114.695
Se	11.993	+/-	9.864
Pb	17499.512	+/-	234.507
Hg	1.000	+/-	8.518
Zn	38.348	+/-	8.231
Cu	1206.641	+/-	39.702
Ni	1.000	+/-	25.420
Co	1.000	+/-	22.019
Fe	751.663	+/-	59.350
Mn	1.000	+/-	52.780
Cr	39.173	+/-	14.238
V	1.000	+/-	13.063
Ti	1.000	+/-	58.809
Ca	21209.785	+/-	340.032
K	819.538	+/-	175.406
Al	1049.307	+/-	427.672
P	695.775	+/-	86.928
Si	6834.989	+/-	312.167
Cl	2255.879	+/-	47.950
S	14261.671	+/-	228.542
Mg	1.000	+/-	4672.008

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