

Characterization of Castellani nineteenth-century gold jewellery by in situ micro-XRF spectroscopy

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Supplementary Table S1. The complete results of the analysis performed by micro-XRF on the Castellani jewels of the Museo Nazionale Etrusco di Villa Giulia in Rome are provided. The amounts of gold, silver and copper detected in foils, wires, granules and joining areas are given in weight percentage and normalized to 100. The relative errors of the quantification are 3% for gold, 7% for silver and 22% for copper. Moreover, the ratios $Au(L3/M)$ and $Au(L2/L3)$ for all the spots analysed in the foils, wires and granules are also reported. The results are given for each jewel. The jewels are ordered by museum number.

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85002	FOIL		1.8	96.9	1.3	91	0.57
85002	FOIL		2.6	96.5	0.9	101	0.54
85002	FOIL		2.4	96.6	1.0	94	0.57
85002	FOIL		2.4	96.8	0.8	106	0.59
85002	FOIL		2.3	96.5	1.2	107	0.57
85002	FOIL		2.8	95.5	1.6	109	0.58
85002	FOIL		2.6	96.6	0.8	101	0.58
85002	FOIL		2.4	96.9	0.7	98	0.58
85002	FOIL		2.8	95.7	1.5	102	0.58
85002	JOINT		8.2	88.8	3.1		
85002	JOINT		7.9	88.8	3.2		
85002	JOINT		13.1	82.7	4.2		
85002	JOINT		8.3	88.4	3.3		
85002	JOINT		6.1	92.5	1.4		
85002	JOINT		10.8	87.6	1.6		
85002	JOINT		10.5	87.8	1.6		
85002	JOINT		10.8	86.4	2.8		
85002	WIRE		0.7	99.0	0.3		
85002	WIRE		0.6	99.1	0.3		
85002	GRANULE		4.4	90.1	5.6		
85002	GRANULE		1.5	93.1	5.4		
85002	GRANULE		2.3	93.1	4.6		
85004	FOIL		6.6	90.5	2.9	105	0.59
85004	FOIL		1.8	97.3	0.9	93	0.57
85004	FOIL		2.7	96.0	1.3	90	0.57
85004	FOIL		2.1	96.8	1.1	104	0.57
85004	FOIL		1.9	97.4	0.7	119	0.55
85004	FOIL		1.4	98.0	0.6	95	0.56
85004	FOIL		1.5	97.8	0.8	88	0.57
85004	FOIL		0.5	99.0	0.5	98	0.57
85004	FOIL		1.0	98.6	0.5	91	0.56
85004	FOIL		0.9	98.5	0.6	99	0.55
85004	JOINT	residue of granulation	4.6	94.5	0.9		
85004	JOINT	residue of granulation	5.7	92.5	1.9		
85004	FOIL		2.3	96.5	1.2	86	0.57
85004	FOIL		1.8	97.5	0.7	99	0.58
85004	FOIL		0.9	98.6	0.5	85	0.57
85004	FOIL		1.0	98.4	0.6	99	0.59
85004	FOIL		1.9	97.3	0.8	100	0.56
85004	JOINT	granule+granule	7.9	90.9	1.1		
85004	JOINT	granule+granule	7.6	91.3	1.1		
85004	JOINT	granule+granule	3.4	95.6	1.1		
85004	GRANULE		2.4	96.5	1.1		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85004	GRANULE		1.3	98.0	0.7		
85004	GRANULE		1.2	98.2	0.6		
85004	MONOGRAM		3.0	95.2	1.8		
85004	MONOGRAM		2.7	95.6	1.7		
85004	MONOGRAM		2.6	95.8	1.6		
85004	PIN		2.7	95.6	1.6		
85004	PIN		2.9	95.4	1.7		
85006	FOIL		0.8	98.7	0.4		
85006	FOIL		0.6	98.9	0.5	99	0.58
85006	FOIL		0.9	98.7	0.5	103	0.59
85006	FOIL		0.5	99.1	0.4	102	0.58
85006	FOIL		1.0	98.4	0.6		
85006	WIRE		4.0	93.9	2.1		
85006	WIRE		3.6	93.5	2.9		
85006	WIRE		2.9	94.6	2.6		
85006	JOINT	wire+wire	2.5	95.7	1.8		
85006	WIRE		0.7	97.8	1.5		
85006	GRANULE		1.5	97.0	1.5		
85006	GRANULE		1.5	97.4	1.2		
85006	GRANULE		1.9	96.2	2.0		
85006	JOINT	granule+granule	5.5	92.8	1.6		
85006	JOINT	granule+granule	6.7	91.6	1.7		
85006	JOINT	granule+granule	5.9	91.9	2.3		
85006	JOINT	granule+granule	3.0	94.7	2.3		
85006	JOINT	granule+granule	5.6	92.0	2.3		
85006	JOINT	granule+granule	8.5	89.7	1.9		
85006	JOINT	granule+granule	6.5	91.6	1.9		
85006	JOINT	granule+granule	2.7	95.8	1.5		
85006	JOINT	granule+granule	4.3	94.1	1.6		
85006	JOINT	wire+foil	3.9	95.3	0.8		
85006	JOINT	wire+foil	3.9	93.7	2.4		
85011	FOIL		5.4	94.2	0.4	107	0.57
85011	FOIL		7.5	90.5	2.0	106	0.58
85011	GRANULE		6.5	92.2	1.2		
85011	JOINT		12.5	86.4	1.1		
85011	GRANULE		3.4	96.0	0.6		
85011	GRANULE		7.2	90.6	2.2		
85011	GRANULE		6.4	92.0	1.6		
85011	PIN		14.2	73.3	12.4		
85011	PIN		14.1	73.7	12.2		
85014	FOIL		5.9	93.2	0.9	102	0.58

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85014	FOIL		4.5	95.0	0.6	98	0.58
85014	PIN		15.0	74.1	10.9		
85014	PIN		15.2	74.0	10.8		
85014	GRANULE		5.0	94.3	0.7		
85014	GRANULE		7.5	91.4	1.0		
85016	FOIL		7.4	91.1	1.5	97	0.57
85016	FOIL		10.3	87.5	2.2	98	0.6
85016	FOIL		7.2	91.2	1.5	94	0.57
85016	FOIL		9.0	90.1	1.0	89	0.59
85016	FOIL		11.3	86.5	2.2	99	0.59
85016	FOIL		10.2	87.3	2.5	94	0.57
85016	FOIL		8.1	91.0	0.9	95	0.57
85016	FOIL		10.6	87.6	1.8	94	0.59
85016	FOIL		15.0	82.5	2.5	86	0.58
85016	FOIL		8.9	90.1	1.0	91	0.57
85016	FOIL		4.6	94.8	0.6	101	0.56
85016	WIRE		6.6	92.6	0.8		
85016	WIRE		6.2	93.2	0.6		
85016	WIRE		6.1	93.1	0.8		
85016	WIRE		8.9	89.8	1.4		
85016	FOIL		5.6	93.8	0.6	90	0.56
85016	FOIL		4.2	95.3	0.4	95	0.57
85016	FOIL		4.2	95.3	0.4	83	0.57
85016	FOIL		5.2	94.3	0.6	110	0.58
85016	JOINT	foil+foil	31.0	59.6	9.4		
85016	JOINT	foil+foil	8.9	89.5	1.6		
85016	PIN		16.3	75.5	8.2		
85016	PIN		16.6	75.2	8.2		
85016	WIRE		6.6	92.6	0.8		
85016	WIRE		6.2	93.2	0.6		
85017	FOIL	back	8.5	90.2	1.3	100	0.58
85017	FOIL	back	8.8	90.2	1.0	96	0.57
85017	FOIL	back	8.6	90.4	1.0	92	0.58
85017	FOIL	back	9.9	88.0	2.1	93	0.56
85017	FOIL	back	9.6	89.2	1.2	88	0.58
85017	FOIL	back	10.7	87.0	2.2	92	0.58
85017	FOIL	back	9.1	89.8	1.1	100	0.56
85017	FOIL	back	8.1	91.2	0.7	90	0.58
85017	FOIL	back	9.4	89.1	1.5	88	0.58
85017	FOIL	back	9.1	88.9	1.9	92	0.57
85017	FOIL		8.9	89.1	2.0	86	0.56
85017	FOIL		10.8	86.3	2.9	90	0.58

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85017	FOIL		9.6	89.4	1.0	95	0.58
85017	FOIL		6.4	93.2	0.4	99	0.56
85017	FOIL		9.1	89.7	1.1	100	0.55
85017	FOIL		6.2	92.9	0.9	100	0.58
85017	FOIL		7.5	91.6	0.9	101	0.57
85017	FOIL		9.4	89.0	1.5	93	0.57
85017	FOIL		8.5	90.5	1.0	104	0.53
85017	FOIL		9.9	88.8	1.2	93	0.57
85017	FOIL		7.9	91.2	0.9	89	0.56
85017	FOIL		8.8	90.5	0.7	97	0.57
85017	FOIL		10.0	88.6	1.4	96	0.57
85017	FOIL		8.9	90.1	1.0	93	0.57
85017	FOIL		9.9	89.3	0.8	94	0.57
85017	FOIL		9.6	89.7	0.7	91	0.57
85017	FOIL		9.0	90.0	0.9	89	0.57
85017	FOIL		6.2	92.9	0.9	100	0.58
85017	FOIL		7.5	91.6	0.9	101	0.57
85017	FOIL		7.6	91.2	1.2	93	0.58
85017	GRANULE		9.2	87.1	3.7		
85017	GRANULE		8.5	90.3	1.2		
85017	GRANULE		8.2	91.0	0.8		
85017	GRANULE		8.4	90.9	0.8		
85017	GRANULE		8.9	90.4	0.7		
85017	GRANULE	garnulation	4.2	95.4	0.4		
85017	GRANULE	garnulation	3.2	96.3	0.4		
85017	GRANULE	garnulation	2.0	97.7	0.3		
85017	GRANULE	garnulation	2.1	97.5	0.5		
85017	GRANULE	garnulation	2.0	97.5	0.5		
85017	GRANULE	garnulation	4.8	94.8	0.3		
85017	GRANULE		11.6	86.9	1.5		
85017	GRANULE		9.6	89.4	1.1		
85017	GRANULE		6.5	92.9	0.6		
85017	GRANULE		9.3	89.0	1.7		
85017	GRANULE		8.9	89.6	1.5		
85017	GRANULE		9.9	88.1	2.0		
85017	GRANULE	granulation	6.8	92.4	0.8		
85017	GRANULE	granulation	6.8	92.5	0.7		
85017	GRANULE	granulation	9.0	90.2	0.7		
85017	GRANULE	granulation	9.4	89.7	0.9		
85017	GRANULE		8.4	90.9	0.7		
85017	GRANULE		10.7	87.8	1.5		
85017	GRANULE	granulation	7.6	91.3	1.1		
85017	GRANULE	granulation	7.8	90.6	1.6		
85017	GRANULE		8.1	91.2	0.8		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85017	GRANULE		8.8	90.4	0.8		
85017	GRANULE		7.3	91.9	0.8		
85017	GRANULE		6.9	92.3	0.8		
85017	GRANULE		7.0	91.9	1.1		
85017	GRANULE		6.6	92.3	1.1		
85017	GRANULE		10.1	88.1	1.9		
85017	GRANULE		9.0	90.0	1.0		
85017	GRANULE		7.9	91.3	0.9		
85017	JOINT	granules	11.0	87.7	1.3		
85017	JOINT	granules	10.3	87.1	2.6		
85017	JOINT	granules	8.4	90.4	1.2		
85017	JOINT	granules	8.3	90.6	1.1		
85017	JOINT	granules	7.8	91.2	1.0		
85017	JOINT	granules	9.5	89.5	1.0		
85017	JOINT	granules	11.2	87.9	0.9		
85017	JOINT	granules	11.3	87.9	0.9		
85017	JOINT	granules	10.6	86.2	3.2		
85017	JOINT	granules	10.1	89.2	0.7		
85017	JOINT	granules	12.5	85.5	2.0		
85017	JOINT	granules	10.1	89.1	0.8		
85017	JOINT	granules	10.3	88.0	1.8		
85017	JOINT	granules	10.9	87.1	2.0		
85017	JOINT	granules	8.5	79.6	11.9		
85017	JOINT	granules	14.7	75.7	9.6		
85017	JOINT	granules	4.4	90.7	5.0		
85017	MONOGRAM		9.3	89.1	1.6		
85017	MONOGRAM		8.9	89.9	1.2		
85017	WIRE		9.1	89.8	1.1		
85017	WIRE		9.1	90.2	0.6		
85017	WIRE		9.4	89.2	1.4		
85017	WIRE		9.5	89.3	1.1		
85017	WIRE		9.5	90.1	0.4		
85017	WIRE		6.5	93.0	0.6		
85017	WIRE		5.5	93.9	0.5		
85017	WIRE		11.0	87.1	2.0		
85017	WIRE		9.4	87.7	1.2		
85017	WIRE		9.0	90.0	0.9		
85017	WIRE		8.8	90.1	1.1		
85017	WIRE		10.3	88.0	1.7		
85017	WIRE		9.9	89.2	0.9		
85017	WIRE		9.5	90.0	0.5		
85017	WIRE		9.1	89.3	1.6		
85017	WIRE		7.1	92.0	0.9		
85017	WIRE		6.7	92.6	0.7		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85019-A	FOIL		7.0	91.9	1.1	100	0.57
85019-A	FOIL		4.7	94.6	0.8	102	0.57
85019-A	WIRE		3.0	96.7	0.4		
85019-A	WIRE		1.9	97.8	0.3		
85019-A	JOINT	wire+wire	8.9	90.8	0.3		
85019-A	JOINT	wire+wire	11.9	87.7	0.3		
85019-A	WIRE		4.6	94.7	0.7		
85019-A	GRANULE		0.9	98.8	0.2		
85019-A	GRANULE		1.5	98.2	0.2		
85019-A	GRANULE		2.7	97.0	0.3		
85019-A	GRANULE		4.1	95.6	0.3		
85019-A	JOINT	granule+granule	13.9	85.8	0.2		
85019-A	GRANULE		5.2	94.3	0.5		
85019-A	GRANULE		5.8	93.7	0.5		
85019-A	GRANULE		4.4	95.3	0.3		
85019-A	GRANULE		4.2	95.5	0.3		
85019-A	JOINT	granule+wire	6.0	93.7	0.2		
85019-B	FOIL		1.9	97.8	0.2	100	0.58
85019-B	FOIL		2.0	97.8	0.2		
85019-B	FOIL		1.2	98.6	0.2	104	0.58
85019-B	FOIL		1.3	98.5	0.2		
85019-B	WIRE		3.5	96.1	0.4		
85019-B	WIRE		2.3	97.4	0.3		
85019-B	WIRE		2.4	97.3	0.3		
85019-B	JOINT	wire+wire	7.4	92.4	0.2		
85019-B	JOINT	wire+wire	8.7	91.0	0.2		
85019-B	WIRE		2.0	97.8	0.2		
85019-B	GRANULE		1.0	98.8	0.2		
85019-B	GRANULE		1.7	98.0	0.2		
85019-B	GRANULE		4.5	95.0	0.5		
85019-B	GRANULE		4.5	95.1	0.4		
85019-B	PIN		12.2	81.2	6.6		
85019-B	PIN		14.2	76.7	9.1		
85019-B	JOINT	pin+foil	45.3	39.7	15.0		
85022	FOIL		7.7	91.4	1.0	90	0.56
85022	FOIL		9.2	89.6	1.2	91	0.56
85022	GRANULE		4.7	94.8	0.5		
85022	GRANULE		7.2	91.7	1.0		
85022	GRANULE		11.7	84.7	3.6		
85022	MONOGRAM		11.2	86.3	2.5		
85022	PIN		15.8	74.9	9.3		
85022	PIN		15.6	75.2	9.3		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85025	FOIL		15.0	80.7	4.3	92	0.59
85025	FOIL		15.7	81.0	3.2	92	0.6
85025	GRANULE		18.3	78.8	2.9		
85025	GRANULE		18.1	79.6	2.4		
85025	JOINT	granule+granule	18.1	77.4	4.5		
85025	JOINT	granule+granule	20.8	75.2	4.0		
85025	PIN		14.3	74.8	10.9		
85025	PIN		13.6	75.5	10.9		
85029	FOIL		15.3	80.8	3.9	92	0.58
85029	FOIL		15.4	80.2	4.4	85	0.59
85029	WIRE		13.8	80.9	5.3		
85029	WIRE		13.8	82.1	4.0		
85029	GRANULE		13.8	81.9	4.4		
85029	GRANULE		15.7	78.1	6.2		
85030	WIRE		12.2	86.0	1.9		
85030	WIRE		11.1	87.7	1.3		
85030	WIRE		12.7	85.2	2.1		
85030	WIRE		12.1	86.3	1.6		
85030	WIRE		10.6	88.4	1.0		
85030	WIRE		11.6	87.1	1.2		
85030	FOIL	stone setting	9.7	88.7	1.6	97	0.56
85030	FOIL	stone setting	10.0	87.9	2.1	87	0.57
85032	JOINT	granule+foil	8.5	90.8	0.7		
85032	JOINT	granule+foil	11.8	86.9	1.4		
85032	GRANULE		5.4	94.3	0.3		
85032	GRANULE		3.9	95.8	0.3		
85032	GRANULE		2.4	97.4	0.2		
85044-A	FOIL		1.6	97.6	0.8	101	0.57
85044-A	FOIL		4.0	94.0	2.0	104	0.59
85044-A	FOIL		3.1	95.2	1.7	107	0.6
85044-A	GRANULE		4.8	92.8	2.4		
85044-A	GRANULE		5.8	90.9	3.3		
85044-A	PIN		2.6	96.1	1.2		
85044-A	PIN		2.9	95.7	1.4		
85044-B	FOIL		1.5	97.7	0.8	97	0.59
85044-B	FOIL		1.7	97.2	1.1	97	0.58
85044-B	GRANULE		5.4	91.6	3.0		
85044-B	PIN		2.7	96.1	1.2		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85045	FOIL		4.5	95.1	0.3	104	0.54
85045	FOIL		3.9	95.7	0.3	106	0.56
85045	FOIL		8.2	91.0	0.8	92	0.57
85045	FOIL		8.1	91.1	0.8	99	0.57
85045	FOIL		7.2	92.1	0.7	93	0.56
85045	FOIL		5.9	93.6	0.5	107	0.59
85045	FOIL		6.9	92.5	0.6	105	0.58
85045	FOIL		10.1	88.8	1.1	91	0.57
85045	FOIL		7.0	92.2	0.7	96	0.58
85045	FOIL		7.1	92.1	0.9	102	0.59
85045	FOIL		6.7	92.8	0.5	94	0.56
85045	FOIL		5.5	91.5	3.0	107	0.57
85045	FOIL		9.4	89.2	1.4	86	0.55
85045	FOIL		8.0	91.1	1.0	103	0.57
85045	FOIL		7.9	91.0	1.1	111	0.56
85045	FOIL		9.8	88.2	1.9	102	0.57
85045	FOIL		10.0	88.0	2.0		
85045	FOIL		4.1	95.3	0.6	98	0.57
85045	WIRE		5.8	93.7	0.5		
85045	WIRE		5.0	94.6	0.5		
85045	WIRE		5.9	93.5	0.5		
85045	JOINT	wire+foil	12.8	87.0	0.2		
85047	FOIL		17.1	78.1	4.8	84	0.59
85047	FOIL		13.7	80.7	5.6	80	0.58
85047	FOIL		14.3	82.0	3.8	83	0.58
85047	FOIL		14.0	82.4	3.6	88	0.58
85047	FOIL		14.6	81.5	3.9		
85047	FOIL		15.0	82.6	2.4	93	0.58
85047	FOIL		14.5	81.3	4.2	82	0.57
85047	FOIL		14.2	82.8	3.0	102	0.6
85047	FOIL		8.2	90.2	1.6	112	0.58
85047	FOIL		13.3	84.0	2.7	100	0.59
85047	FOIL		15.3	81.7	3.0	95	0.59
85047	FOIL		14.5	81.5	4.0	92	0.58
85047	FOIL		14.4	81.3	4.2	82	0.56
85047	FOIL		18.7	77.2	4.1	89	0.59
85047	FOIL		14.0	80.9	5.2	83	0.58
85047	FOIL		13.9	80.9	5.3	82	0.57
85047	FOIL		13.6	82.8	3.6	101	0.6
85047	FOIL		12.9	82.0	5.1	90	0.57
85047	FOIL		14.2	83.8	2.0	84	0.58
85047	FOIL		13.4	84.0	2.6	97	0.58
85047	FOIL		14.6	81.6	3.9	92	0.58

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85047	FOIL		14.8	82.4	2.8	90	0.59
85047	FOIL		14.6	82.8	2.6	89	0.58
85047	FOIL		15.3	81.9	2.8	109	0.58
85047	FOIL		12.3	85.5	2.2	90	0.57
85047	FOIL		12.8	84.4	2.8	86	0.57
85047	WIRE		13.9	80.4	5.6		
85047	WIRE		13.7	80.7	5.7		
85047	WIRE		16.3	78.7	5.0		
85047	WIRE		16.0	77.1	7.0		
85047	WIRE		13.5	81.3	5.2		
85047	WIRE		20.4	76.1	3.5		
85047	WIRE		13.1	82.9	4.0		
85047	WIRE		15.3	80.1	4.7		
85050	FOIL		1.6	97.5	0.9	99	0.56
85050	FOIL		1.6	96.3	2.1	99	0.58
85050	FOIL		1.1	97.9	1.0	95	0.57
85050	FOIL		0.9	98.8	0.3	106	0.5
85050	FOIL		1.0	98.6	0.3	95	0.59
85050	FOIL		0.6	99.1	0.3	98	0.6
85050	FOIL		0.7	99.0	0.3	100	0.57
85050	FOIL		0.6	99.2	0.2	95	0.58
85050	FOIL		0.5	99.3	0.2	94	0.57
85050	FOIL		0.7	98.9	0.4	105	0.58
85050	FOIL		1.1	98.4	0.4	93	0.57
85050	FOIL		1.9	97.3	0.8	91	0.56
85050	WIRE		1.1	98.6	0.3		
85050	WIRE		0.6	98.9	0.5		
85050	WIRE		0.7	97.9	1.3		
85050	WIRE		0.9	97.5	1.6		
85050	WIRE		1.1	98.7	0.3		
85050	WIRE		0.8	98.8	0.4		
85050	WIRE		2.6	96.6	0.8		
85050	WIRE		7.0	91.1	1.9		
85050	WIRE		8.9	88.8	2.3		
85050	GRANULE		0.7	99.0	0.3		
85050	GRANULE		0.5	99.1	0.4		
85050	GRANULE		0.7	98.9	0.4		
85050	MONOGRAM		1.1	98.6	0.3		
85050	MONOGRAM		9.6	90.1	0.3		
85053-A	FOIL		6.7	92.3	0.9	101	0.54
85053-A	FOIL		5.6	93.6	0.7	102	0.58
85053-A	FOIL		7.8	90.5	1.7	90	0.58

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85053-A	FOIL		6.0	92.7	1.3	92	0.57
85053-A	JOINT	foil+foil	21.6	77.2	1.1		
85053-A	JOINT	foil+foil	20.6	77.0	2.5		
85053-A	FOIL		4.9	94.6	0.5	104	0.57
85053-A	FOIL		4.2	95.4	0.4	105	0.6
85053-A	FOIL		4.8	94.5	0.7	102	0.59
85053-A	FOIL		6.2	92.8	1.1	83	0.55
85053-A	FOIL		4.4	94.9	0.7	99	0.57
85053-A	GRANULE		7.8	91.1	1.0		
85053-A	GRANULE		4.3	95.2	0.5		
85053-A	GRANULE		6.9	91.9	1.2		
85053-A	GRANULE		4.4	94.7	0.8		
85053-A	WIRE		4.9	94.6	0.5		
85053-A	WIRE		3.3	96.3	0.5		
85053-A	WIRE		7.1	92.1	0.8		
85053-A	WIRE		8.5	90.6	0.9		
85053-A	WIRE		6.3	93.1	0.5		
85053-A	WIRE		6.3	92.4	1.3		
85053-A	WIRE		9.3	90.1	0.6		
85053-A	WIRE		4.9	94.0	1.1		
85053-A	PIN		7.6	91.5	1.0		
85053-B	FOIL		9.3	89.2	1.6	86	0.57
85053-B	FOIL		8.1	90.7	1.2	98	0.58
85053-B	FOIL		8.7	90.0	1.3	91	0.58
85053-B	FOIL		7.1	91.1	1.8	91	0.57
85053-B	FOIL		8.0	91.0	0.9	105	0.55
85053-B	FOIL		6.3	92.9	0.8	98	0.59
85053-B	GRANULE		8.5	90.5	1.0		
85053-B	GRANULE		7.9	91.3	0.8		
85053-B	GRANULE		6.2	92.6	1.2		
85053-B	GRANULE		6.3	92.0	1.7		
85053-B	GRANULE		7.0	91.5	1.5		
85053-B	GRANULE		6.8	92.0	1.2		
85053-B	GRANULE		4.8	95.1	0.1		
85053-B	GRANULE		7.8	91.1	1.1		
85053-B	WIRE		6.0	93.3	0.6		
85053-B	WIRE		7.5	91.7	0.8		
85053-B	WIRE		6.0	93.2	0.8		
85053-B	WIRE		5.7	93.6	0.7		
85053-B	WIRE		6.8	92.5	0.7		
85053-B	WIRE		6.9	92.7	0.4		
85053-B	WIRE		9.3	89.6	1.0		
85053-B	WIRE		8.6	90.4	1.1		
85053-B	JOINT	wire+wire	14.0	85.3	0.7		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85053-B	PIN		7.9	90.3	1.8		
85053-B	MONOGRAM		14.5	81.8	3.7		
85057	FOIL		0.3	99.4	0.3	102	0.58
85057	FOIL		0.4	99.3	0.4	103	0.58
85057	FOIL		0.3	99.4	0.4		
85057	FOIL		0.4	99.3	0.3	98	0.58
85057	FOIL		0.4	99.2	0.4	99	0.59
85057	FOIL		1.7	97.6	0.7	100	0.57
85057	FOIL		1.0	98.5	0.5	98	0.59
85057	JOINT	foil+foil	17.2	80.2	2.6		
85057	FOIL		1.0	98.4	0.6	88	0.56
85057	FOIL		0.8	98.6	0.6	103	0.59
85057	GRANULE		2.0	97.1	0.9		
85057	GRANULE		2.0	97.0	1.0		
85057	GRANULE		1.9	97.2	0.9		
85057	MONOGRAM		16.1	81.8	2.1		
85057	MONOGRAM		15.6	83.1	1.2		
85057	WIRE	chain	9.2	89.8	1.0		
85057	WIRE	chain	5.7	93.6	0.7		
85057	ORGANIC GLUE	Pb, (K, Ca, Ti, Fe, Zn, Au, As)	-	-	-		
85057	ORGANIC GLUE	Pb, (K, Ca, Fe, Zn, Au, As)	-	-	-		
85057	ORGANIC GLUE	Pb (Fe, Zn, Au, As)	-	-	-		
85057	ORGANIC GLUE	Pb, (K, Ca, Ti, Cr, Fe, Zn, Au, As)	-	-	-		
85057	ORGANIC GLUE	Pb, (K, Ca, Fe, Zn, Au, As)	-	-	-		
85060	PIN		14.3	75.3	10.4		
85060	PIN		15.0	74.7	10.3		
85060	FOIL		8.6	90.0	1.5	87	0.57
85060	FOIL		5.3	94.1	0.6	99	0.56
85060	FOIL		6.2	93.0	0.7	85	0.57
85060	FOIL		7.3	91.8	0.9	90	0.56
85060	FOIL		6.8	92.5	0.7	89	0.57
85060	FOIL		6.3	93.0	0.7	100	0.53
85060	WIRE		5.4	94.3	0.3		
85060	WIRE		2.4	97.2	0.4		
85060	WIRE		3.1	96.5	0.4		
85060	WIRE		2.8	96.8	0.4		
85060	JOINT	wire+wire	9.9	89.8	0.4		
85060	GRANULE		3.1	96.4	0.5		
85060	GRANULE		2.4	96.9	0.6		
85060	GRANULE		2.6	96.8	0.6		
85060	JOINT	granule+granule	9.3	89.3	1.4		
85060	JOINT	granule+foil	11.9	87.6	0.5		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85060	GRANULE		1.0	98.6	0.4		
85060	GRANULE		0.8	98.7	0.4		
85060	GRANULE		1.3	98.2	0.5		
85060	JOINT		16.2	80.1	3.7		
85063	FOIL	traces of Cd	2.2	96.1	1.7	98	0.57
85063	FOIL	traces of Cd	2.3	96.0	1.7		
85063	FOIL	traces of Cd	2.1	96.3	1.5	95	0.57
85063	JOINT		12.0	87.3	0.7		
85063	JOINT		11.6	87.6	0.7		
85063	JOINT		10.2	89.4	0.4		
85063	JOINT		15.6	83.5	0.9		
85063	JOINT		12.4	87.2	0.5		
85063	JOINT		13.1	86.3	0.6		
85063	JOINT		12.8	86.6	0.6		
85063	FOIL	traces of Cd	2.6	94.8	2.6	94	0.55
85063	FOIL	traces of Cd	2.6	94.9	2.5		
85063	FOIL	traces of Cd	2.4	94.8	2.8	98	0.57
85063	FOIL	traces of Cd	2.5	94.8	2.7		
85063	FOIL	traces of Cd	2.1	95.6	2.3	87	0.57
85063	FOIL	traces of Cd	1.6	97.1	1.3	110	0.55
85063	FOIL	traces of Cd	1.7	97.0	1.3	118	0.55
85063	FOIL	traces of Cd	1.5	97.1	1.4	103	0.58
85063	FOIL	traces of Cd	1.4	97.4	1.3	111	0.59
85063	FOIL	traces of Cd	2.0	96.5	1.5	99	0.56
85063	FOIL	traces of Cd	2.1	95.8	2.2	89	0.56
85063	FOIL	traces of Cd	1.6	97.3	1.2	90	0.55
85063	FOIL	traces of Cd	1.9	96.4	1.7	80	0.54
85063	FOIL	traces of Cd	1.5	97.1	1.4		
85063	FOIL	traces of Cd	1.4	97.4	1.3		
85063	FOIL	traces of Cd	2.0	96.5	1.5		
85063	FOIL	traces of Cd	2.0	95.9	2.2		
85063	FOIL	traces of Cd	1.6	97.3	1.2		
85063	FOIL	traces of Cd	1.9	96.4	1.7		
85063	FOIL	traces of Cd	1.8	96.6	1.6		
85063	FOIL	traces of Cd	2.9	91.8	5.3	88	0.56
85063	FOIL	traces of Cd	2.4	93.8	3.8	86	0.57
85063	WIRE	ring	14.0	82.5	3.5	91	0.58
85063	WIRE	ring	12.3	84.7	3.0	97	0.58
85063	WIRE	ring	13.5	83.1	3.4		
85063	WIRE	ring	14.6	80.4	5.0		
85063	WIRE	chain	5.1	74.1	20.9		
85063	WIRE	chain	4.4	76.4	19.2		
85063	WIRE	chain	4.8	75.9	19.3		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85063	WIRE	ring	11.3	86.5	2.2		
85063	FOIL		12.7	84.7	2.5	89	0.56
85063	FOIL		13.9	81.5	4.5		
85063	FOIL		13.0	83.4	3.6		
85063	JOINT	wire+foil	29.9	68.3	1.8		
85063	FOIL		12.4	84.3	3.3	85	0.57
85063	FOIL		11.4	85.6	3.0	91	0.57
85063	WIRE	ring	13.9	83.3	2.8		
85063	WIRE	ring	14.0	83.2	2.8		
85066	FOIL		6.7	92.3	1.0	106	0.57
85066	FOIL		8.3	90.3	1.3	100	0.58
85066	FOIL		4.9	94.4	0.6	100	0.58
85066	FOIL		8.4	90.0	1.6	89	0.56
85066	FOIL		7.9	90.9	1.2	100	0.58
85066	JOINT	foil+foil	10.6	86.4	3.0		
85066	JOINT	foil+foil	9.8	87.7	2.4		
85066	FOIL		7.6	91.3	1.1	115	0.56
85066	FOIL		7.7	91.2	1.1	92	0.57
85066	FOIL		3.8	95.7	0.5	105	0.55
85066	FOIL		5.9	93.2	0.8	102	0.57
85066	FOIL		4.2	95.3	0.5	97	0.57
85066	FOIL		6.9	92.3	0.9		
85066	GRANULE		3.9	95.6	0.6		
85066	GRANULE		6.8	92.1	1.1		
85066	GRANULE		6.7	92.4	0.9		
85066	GRANULE		4.1	95.3	0.6		
85066	GRANULE		8.0	91.1	1.0		
85066	GRANULE		6.0	93.2	0.8		
85066	WIRE		4.0	95.4	0.6		
85066	WIRE		3.6	95.8	0.5		
85066	WIRE		3.7	95.7	0.6		
85066	WIRE	chain	5.8	92.8	1.4		
85066	WIRE	chain	3.3	96.1	0.6		
85066	WIRE	chain	2.3	97.1	0.6		
85066	WIRE	chain	3.9	95.7	0.5		
85073	WIRE		5.3	94.3	0.4		
85073	WIRE		3.7	95.3	1.1		
85073	JOINT	wire+foil	10.1	89.6	0.3		
85073	JOINT	wire+foil	7.5	92.3	0.2		
85073	JOINT	wire+foil	7.3	92.5	0.2		
85073	WIRE		2.3	97.4	0.3		
85073	JOINT	wire+wire	13.9	84.3	1.8		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85073	JOINT	wire+wire	15.2	83.2	1.6		
85073	JOINT	wire+wire	15.5	82.8	1.7		
85073	WIRE		7.5	91.3	1.2		
85073	WIRE		7.4	91.5	1.1		
85073	FOIL		8.1	90.5	1.4	101	0.59
85073	FOIL		9.8	88.3	1.9	96	0.57
85073	FOIL	reddish colour	10.8	86.9	2.3	89	0.59
85073	FOIL		3.2	93.6	3.2	98	0.57
85073	FOIL		4.0	95.6	0.4	105	0.57
85073	FOIL	reddish colour	12.9	84.4	2.8	92	0.58
85073	FOIL		3.5	96.0	0.5	90	0.58
85073	FOIL		7.6	91.0	1.4		
85073	FOIL		4.4	95.0	0.7	109	0.57
85073	FOIL		13.0	82.0	5.0	89	0.59
85073	FOIL		12.3	84.0	3.7	96	0.59
85073	GRANULE		9.2	89.9	0.8		
85073	GRANULE		10.7	87.7	1.6		
85073	GRANULE		7.8	91.2	1.0		
85073	GRANULE		4.6	94.7	0.7		
85073	GRANULE		6.5	93.0	0.5		
85073	GRANULE		1.6	98.0	0.3		
85073	GRANULE		7.9	90.6	1.5		
85073	GRANULE		4.6	94.6	0.8		
85073	GRANULE		2.8	96.8	0.3		
85073	MONOGRAM		8.5	90.4	1.1		
85073	MONOGRAM		12.4	85.6	2.0		
85073	MONOGRAM		12.3	86.0	1.8		
85073	PIN		17.4	74.6	8.0		
85073	FOIL		3.5	96.2	0.4	104	0.58
85073	JOINT	pin+foil	21.2	78.1	0.7		
85073	JOINT	pin+foil	9.8	89.8	0.3		
85073	JOINT	pin+foil	7.9	91.8	0.3		
85073	LOOP		5.2	94.3	0.6		
85073	LOOP		5.4	92.0	2.6		
85082-A	FOIL		3.5	93.6	2.9	112	0.59
85082-A	FOIL		6.2	90.0	3.8	96	0.57
85082-A	FOIL		2.6	95.8	1.5	97	0.58
85082-A	FOIL		2.0	97.1	0.9	107	0.6
85082-A	FOIL		1.6	96.2	2.3	93	0.57
85082-A	FOIL		1.3	97.0	1.7	92	0.57
85082-A	FOIL		2.4	96.1	1.4	99	0.57
85082-A	FOIL		2.2	96.3	1.5	96	0.57
85082-A	WIRE		5.2	90.9	3.9		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85082-A	WIRE		6.6	89.1	4.2		
85082-A	WIRE		3.3	93.6	3.1		
85082-A	WIRE		3.4	93.3	3.3		
85082-A	WIRE		3.6	94.0	2.5		
85082-A	WIRE		5.3	91.1	3.7		
85082-A	JOINT	wire+foil	8.4	86.7	4.9		
85082-A	WIRE		3.4	93.4	3.2		
85082-A	WIRE		4.1	92.2	3.7		
85082-A	WIRE		3.3	93.5	3.2		
85082-A	WIRE		3.4	93.5	3.1		
85082-A	WIRE		5.3	91.9	2.8		
85082-A	WIRE		3.4	94.0	2.6		
85082-A	WIRE		3.3	93.9	2.8		
85082-A	WIRE		5.4	92.1	2.5		
85082-A	GRANULE		3.3	93.0	3.7		
85082-A	GRANULE		3.1	93.5	3.4		
85082-A	PIN		0.3	95.1	4.7		
85082-A	PIN		0.3	94.4	5.3		
85082-B	FOIL		3.6	92.9	3.6	98	0.59
85082-B	FOIL		3.0	94.2	2.8	94	0.56
85082-B	FOIL		1.6	97.6	0.8	100	0.55
85082-B	FOIL		1.8	97.3	1.0	122	0.57
85082-B	FOIL		1.9	97.0	1.0	100	0.55
85082-B	WIRE		3.4	92.9	3.7		
85082-B	WIRE		3.2	93.3	3.5		
85082-B	JOINT	wire+foil	7.4	89.4	3.2		
85082-B	JOINT	wire+foil	16.1	78.2	5.7		
85082-B	WIRE		3.5	93.9	2.6		
85082-B	WIRE		3.4	93.2	3.4		
85082-B	WIRE		3.3	94.5	2.2		
85082-B	WIRE		3.2	94.1	2.6		
85082-B	WIRE		4.8	92.7	2.5		
85082-B	GRANULE		3.5	93.5	3.0		
85082-B	GRANULE		3.5	93.4	3.2		
85082-B	PIN		0.0	94.2	5.8		
85082-B	PIN		0.3	93.5	6.2		
85120-A	FOIL		7.6	91.5	0.9	113	0.59
85120-A	FOIL		10.1	88.5	1.4	94	0.56
85120-A	FOIL		9.0	89.7	1.3	104	0.6
85120-A	JOINT	foil+foil	11.6	86.6	1.8		
85120-A	JOINT	foil+foil	12.6	85.3	2.1		
85120-A	WIRE		0.9	98.3	0.9		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85120-A	WIRE		0.9	98.3	0.8		
85120-A	WIRE		1.1	98.0	0.9		
85120-A	WIRE		1.8	97.1	1.0		
85120-A	WIRE		2.2	97.0	0.8		
85120-A	WIRE		1.9	97.4	0.7		
85120-A	PIN		0.9	98.6	0.5		
85120-A	PIN		1.2	98.2	0.5		
85120-A	JOINT	pin+foil	7.9	91.8	0.3		
85120-A	JOINT	pin+foil	5.5	94.2	0.4		
85120-A	FOIL		0.9	96.9	2.2	154	0.57
85120-A	FOIL		0.7	98.4	0.9	96	0.57
85120-B	FOIL		8.3	90.7	1.1	100	0.56
85120-B	FOIL		9.4	89.2	1.4	91	0.58
85120-B	FOIL		10.5	87.9	1.6	98	0.58
85120-B	FOIL		8.9	90.0	1.1	100	0.58
85120-B	JOINT	foil+foil	11.4	86.9	1.8		
85120-B	WIRE		4.5	94.9	0.7		
85120-B	WIRE		1.0	98.1	0.9		
85120-B	WIRE		0.8	98.3	0.9		
85120-B	WIRE		1.2	97.9	0.8		
85120-B	PIN		1.0	98.6	0.4		
85120-B	PIN		1.1	98.2	0.7		
85120-B	FOIL		0.9	98.5	0.6	138	0.6
85139	FOIL		16.0	81.3	2.7	88	0.59
85139	FOIL		16.7	80.8	2.5	85	0.58
85139	FOIL		17.4	79.4	3.2	76	0.57
85139	FOIL		17.0	80.1	2.9	86	0.58
85139	FOIL		19.8	77.0	3.2	84	0.59
85139	FOIL		15.3	81.0	3.7	86	0.58
85139	FOIL		15.3	81.2	3.5	85	0.58
85139	FOIL		14.5	83.2	2.3	81	0.57
85139	JOINT		22.9	73.4	3.7		
85139	JOINT		22.2	74.5	3.2		
85139	JOINT		23.8	71.6	4.7		
85139	JOINT		24.1	70.0	5.9		
85139	JOINT		24.3	71.3	4.4		
85139	JOINT		24.1	71.5	4.4		
85139	JOINT		24.4	70.5	5.1		
85162	FOIL		8.4	90.9	0.7	104	0.58
85162	FOIL		10.9	87.8	1.3	110	0.58
85162	FOIL		11.1	87.7	1.2	109	0.59
85162	FOIL		11.6	86.8	1.6		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85162	JOINT	foil+foil	14.8	84.0	1.2		
85162	WIRE		15.6	82.5	1.9		
85162	JOINT	foil+foil	19.7	79.5	0.8		
85162	FOIL		10.1	88.5	1.5	91	0.58
85162	FOIL		10.0	88.9	1.1	96	0.57
85162	FOIL		6.0	93.3	0.7	101	0.57
85162	FOIL		6.2	93.2	0.6	104	0.57
85162	FOIL		11.3	86.5	2.2	94	0.57
85162	FOIL		16.1	83.2	0.7	97	0.56
85162	FOIL		9.3	89.6	1.1	96	0.58
85162	FOIL		9.0	89.8	1.2	91	0.57
85175	FOIL		8.2	91.2	0.6	113	0.57
85175	FOIL		8.8	90.5	0.7	85	0.55
85175	FOIL		8.8	90.6	0.6	101	0.57
85175	FOIL		7.2	92.2	0.6	91	0.55
85203	FOIL		1.0	98.3	0.8	123	0.55
85203	FOIL		1.1	98.2	0.7	98	0.59
85203	FOIL		0.9	98.3	0.8	101	0.57
85203	FOIL		1.4	97.7	0.8	106	0.58
85203	FOIL		1.6	97.6	0.8	99	0.59
85203	FOIL		1.1	98.2	0.7	98	0.59
85203	FOIL		1.2	98.1	0.7	108	0.58
85203	FOIL		1.5	97.7	0.8	111	0.59
85203	FOIL		1.1	98.1	0.8	92	0.58
85203	WIRE		1.0	98.3	0.8		
85203	WIRE		1.0	98.2	0.8		
85203	MONOGRAM		7.7	90.6	1.7		
85203	MONOGRAM		16.2	76.6	7.2		
85203	MONOGRAM		16.0	76.5	7.5		
85203	MONOGRAM		16.4	75.9	7.6		
85232	FOIL		10.9	87.4	1.7	97	0.58
85232	FOIL		10.1	88.4	1.5	93	0.57
85232	JOINT	foil+foil	16.7	82.7	0.6		
85232	FOIL		11.2	87.2	1.5	102	0.57
85232	JOINT	foil+foil	15.5	84.0	0.6		
85232	FOIL		8.1	90.7	1.3	98	0.58
85232	FOIL		10.3	88.0	1.7	98	0.58
85232	FOIL		8.4	90.0	1.6	106	0.58
85232	FOIL		10.2	88.8	0.9	113	0.56
85232	JOINT	foil+foil	14.3	85.3	0.4		
85232	JOINT	foil+foil	13.4	86.1	0.5		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85232	FOIL		8.9	90.2	0.9	100	0.58
85232	LOOP		12.6	84.4	3.0		
85232	LOOP		13.5	82.0	4.5		
85232	FOIL		12.3	86.1	1.7	94	0.57
85232	FOIL		12.6	85.7	1.6	92	0.57
85232	WIRE		9.4	89.5	1.1		
85237	FOIL	bead	12.4	83.6	4.0	79	0.56
85237	FOIL	bead	10.5	87.2	2.3	97	0.58
85237	FOIL	bead	12.0	84.3	3.7	81	0.57
85237	FOIL	bead	12.0	84.3	3.7		
85237	FOIL		3.7	95.9	0.4	96	0.57
85237	FOIL		3.9	95.7	0.4	99	0.57
85237	FOIL		3.7	95.8	0.5	98	0.58
85237	FOIL		3.7	95.8	0.5	95	0.57
85237	FOIL		3.4	96.0	0.6	99	0.57
85237	FOIL		3.7	95.7	0.6	108	0.57
85237	JOINT	foil+foil	9.1	90.5	0.4		
85237	FOIL		3.7	95.9	0.4	94	0.56
85237	JOINT	foil+foil	12.3	87.2	0.5		
85237	FOIL		8.5	90.6	0.8	98	0.55
85237	FOIL		9.4	89.5	1.1	89	0.57
85237	FOIL		6.4	93.0	0.5	88	0.56
85237	FOIL		6.1	93.4	0.5	97	0.58
85237	FOIL		7.4	91.4	1.2	90	0.57
85237	WIRE		9.6	87.9	2.5		
85237	WIRE		8.6	89.4	2.0		
85237	WIRE		12.2	84.0	3.8		
85237	WIRE		3.6	95.8	0.6		
85237	WIRE		2.6	97.0	0.4		
85237	WIRE		5.5	93.9	0.6		
85237	WIRE		6.0	93.5	0.5		
85237	WIRE		7.5	92.1	0.4		
85237	WIRE		2.9	96.7	0.4		
85237	WIRE		12.5	84.4	3.2		
85237	WIRE		14.7	83.1	2.3		
85237	WIRE		3.6	95.2	1.1		
85237	WIRE		8.3	90.6	1.1		
85279	FOIL		17.6	81.9	0.5	93	0.58
85279	FOIL		18.1	81.0	0.9	98	0.59
85279	FOIL		18.5	80.6	0.9	96	0.59
85279	FOIL		15.5	84.0	0.5	84	0.56
85279	FOIL		16.2	83.2	0.6	82	0.56

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85279	FOIL		18.8	79.4	1.8	78	0.57
85279	FOIL		17.6	81.7	0.7	93	0.58
85279	FOIL		20.2	78.7	1.0		
85279	FOIL		20.2	78.7	1.0		
85279	WIRE		17.1	81.6	1.3		
85279	WIRE		18.4	80.8	0.8		
85279	WIRE		18.3	80.9	0.8		
85279	GRANULE		15.0	83.3	1.7		
85279	GRANULE		15.8	82.8	1.4		
85279	GRANULE		15.3	82.3	2.4		
85292	FOIL		11.3	86.6	2.2	91	0.56
85292	FOIL		11.7	86.3	2.0	87	0.57
85292	FOIL		11.9	86.4	1.6	101	0.56
85292	FOIL		8.7	89.9	1.4	96	0.53
85292	FOIL	reddish colour	8.5	90.1	1.4	94	0.58
85292	FOIL		8.3	90.3	1.3	97	0.57
85292	FOIL		7.1	91.7	1.1	89	0.57
85292	FOIL		8.5	90.1	1.3	89	0.56
85292	GRANULE		8.4	89.5	2.1		
85292	GRANULE		10.3	87.0	2.7		
85292	GRANULE		9.9	87.3	2.7		
85292	JOINT	foil+granule	13.2	85.8	1.0		
85292	JOINT	foil+granule	14.0	84.7	1.3		
85292	PIN		15.3	75.0	9.7		
85292	PIN		15.6	74.7	9.7		
85292	LOOP		8.7	89.4	1.9		
85292	LOOP		14.4	84.1	1.4		
85292	LOOP		10.2	86.4	3.4		
85292	FOIL		7.2	91.9	0.9	101	0.57
85292	FOIL		7.4	91.5	1.1	99	0.58
85292	FOIL	enamel support	16.7	76.5	6.8	114	0.59
85292	FOIL	enamel support	16.4	76.0	7.7	103	0.59
85292	MONOGRAM		12.2	85.4	2.4		
85292	MONOGRAM		12.3	83.7	3.9		
85292	MONOGRAM		7.6	91.6	0.9		
85292	MONOGRAM		7.4	91.5	1.1		
85292	MONOGRAM		10.1	87.4	2.5		
85297	FOIL		2.3	90.7	7.0	102	0.6
85297	FOIL		2.6	90.5	6.8	99	0.59
85297	FOIL		2.6	91.1	6.3	99	0.6
85297	FOIL		2.6	90.8	6.6	105	0.6
85297	FOIL		2.3	92.5	5.2	96	0.59

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85297	FOIL		2.2	92.4	5.4	98	0.58
85297	FOIL		2.2	93.0	4.8	101	0.59
85297	FOIL		2.6	96.4	1.1	102	0.57
85297	FOIL		2.7	96.2	1.1	96	0.59
85297	FOIL		2.7	96.2	1.1	95	0.58
85297	FOIL		13.9	93.9	3.2	85	0.59
85297	FOIL		12.0	85.2	2.8	84	0.58
85297	FOIL		11.6	86.9	1.6	88	0.58
85297	FOIL		10.6	87.4	2.0	101	0.59
85297	FOIL		10.0	88.4	1.6	96	0.57
85297	JOINT	foil+foil	17.9	79.9	2.2		
85297	JOINT	foil+foil	17.9	79.9	2.3		
85297	JOINT	foil+foil	17.4	80.0	2.6		
85297	JOINT	foil+foil	16.6	80.4	3.0		
85297	WIRE		15.2	81.8	3.1		
85297	WIRE		15.0	82.0	3.0		
85297	WIRE		17.0	80.4	2.6		
85297	WIRE		15.9	80.6	3.5		
85297	WIRE		15.4	81.5	3.1		
85297	JOINT	wire+wire	24.2	74.2	1.5		
85297	WIRE		13.8	83.5	2.7		
85297	JOINT	wire+wire	20.2	77.4	2.4		
85297	WIRE		15.6	78.6	5.7		
85297	WIRE		13.9	82.6	3.5		
85297	WIRE		14.3	81.9	3.8		
85297	MONOGRAM		11.9	85.5	2.6		
85297	MONOGRAM		10.2	88.4	1.4		
85297	PIN		16.3	75.3	8.5		
85297	PIN		15.9	75.9	8.2		
85323	FOIL		8.9	88.8	2.3	100	0.6
85323	FOIL		11.2	85.4	3.3	101	0.61
85323	FOIL		9.3	88.3	2.4	134	0.6
85323	FOIL		7.1	91.1	1.8	101	0.59
85323	FOIL		10.2	87.4	2.4	104	0.59
85323	FOIL		9.6	87.4	3.0	103	0.59
85323	GRANULE		14.1	80.5	5.4		
85323	GRANULE		14.9	78.4	6.7		
85323	GRANULE		14.5	78.9	6.7		
85323	GRANULE		14.8	79.1	6.1		
85323	GRANULE		11.2	85.7	3.1		
85323	GRANULE		9.9	87.7	2.4		
85323	GRANULE		9.9	87.9	2.2		
85323	GRANULE		8.2	90.3	1.5		

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85323	PIN		16.2	75.3	8.5		
85323	PIN		16.2	75.5	8.3		
85323	ORGANIC GUE	Pb traces	19.4	77.6	2.9		
85323	ORGANIC GUE	Pb; K traces	33.3	58.5	8.3		
85323	ORGANIC GUE	Pb, Fe	23.4	68.0	8.6		
85323	ORGANIC GUE	Pb; K traces	25.3	58.7	16.0		
85323	ORGANIC GUE	Pb traces	14.3	82.6	3.1		
85326	FOIL		15.2	77.0	7.8	105	0.6
85326	FOIL		13.7	84.1	2.3	104	0.59
85326	FOIL		11.1	85.3	3.6	95	0.58
85326	FOIL		7.3	91.1	1.5	100	0.58
85326	FOIL		7.6	91.3	1.1	90	0.55
85326	FOIL		5.8	93.2	1.0	109	0.58
85326	FOIL		4.8	94.5	0.7	98	0.57
85326	WIRE		9.6	87.5	2.9		
85326	WIRE		8.4	89.4	2.2		
85326	WIRE		8.9	89.8	1.2		
85326	WIRE		8.3	90.7	0.9		
85326	WIRE		7.5	91.2	1.4		
85326	MONOGRAM		9.5	88.6	1.9		
85326	MONOGRAM		7.6	90.8	1.6		
85326	MONOGRAM		7.2	91.6	1.2		
85326	MONOGRAM		5.9	93.3	0.8		
85337	FOIL	possible soldering residues	17.7	78.8	3.4		
85337	FOIL	possible soldering residues	17.8	78.5	3.6		
85337	FOIL		14.6	82.1	3.3	102	0.59
85337	FOIL		11.9	85.8	2.4	99	0.59
85337	FOIL		11.2	86.8	2.0	111	0.58
85337	FOIL		9.4	88.5	2.1	115	0.6
85337	FOIL		10.9	86.7	2.5	97	0.58
85337	FOIL		9.6	88.7	1.7	103	0.59
85337	FOIL	possible soldering residues	15.7	80.0	4.2		
85337	FOIL	possible soldering residues	15.8	79.8	4.3		
85337	FOIL	possible soldering residues	18.1	78.2	3.7		
85337	PIN		18.4	73.6	7.9		
85337	PIN		17.9	74.0	8.1		
85369	FOIL		2.7	96.0	1.3	101	0.56
85369	FOIL		0.6	99.1	0.3	101	0.59
85369	FOIL		2.0	96.5	1.5	100	0.58
85369	FOIL		1.9	96.6	1.5		
85369	FOIL		3.9	94.9	1.2	253	0.58

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85369	FOIL		6.1	91.0	2.9	96	0.59
85369	FOIL		4.8	92.9	2.4	99	0.58
85369	WIRE		1.0	98.4	0.6		
85369	WIRE		0.9	98.7	0.4		
85369	WIRE		0.4	99.1	0.4		
85370	FOIL		0.6	99.1	0.3	92	0.56
85370	FOIL		2.0	97.1	0.9	100	0.56
85370	FOIL		0.8	98.1	1.1	110	0.6
85370	FOIL		6.0	91.1	2.8	116	0.57
85370	FOIL		5.0	92.5	2.5	97	0.58
85370	WIRE		1.2	98.4	0.4		
85370	WIRE		1.2	98.3	0.5		
85371	FOIL		17.6	78.8	3.6	90	0.6
85371	FOIL		16.6	79.8	3.6	89	0.58
85371	FOIL		16.3	79.6	4.0	86	0.57
85371	FOIL		16.3	81.0	2.7	93	0.53
85371	FOIL		17.6	78.9	3.5	99	0.59
85371	FOIL		15.7	79.7	4.5	95	0.59
85371	FOIL		15.7	80.3	4.0	99	0.59
85371	FOIL		15.6	80.4	4.0		
85371	JOINT	foil+granule	25.2	71.8	3.0		
85371	JOINT	foil+granule	25.0	69.6	5.4		
85418	FOIL		5.2	94.2	0.5	101	0.57
85418	FOIL		5.4	94.1	0.5	100	0.57
85418	FOIL		4.7	95.0	0.3	85	0.56
85418	FOIL		5.8	93.7	0.5	95	0.56
85418	FOIL		3.8	95.9	0.3	99	0.56
85418	FOIL		3.5	96.2	0.3		
85418	JOINT	wire+foil	13.5	80.3	6.2		
85418	WIRE		5.6	93.9	0.5		
85418	WIRE		3.3	96.4	0.4		
85418	WIRE		2.3	97.5	0.2		
85418	WIRE		6.0	93.4	0.6		
85418	MONOGRAM		8.3	90.8	0.9		
85418	MONOGRAM		6.0	93.5	0.5		
85419	HAIRPIN		14.9	79.5	5.5		
85419	HAIRPIN		15.5	79.1	5.5		
85419	FOIL		11.8	84.8	3.4	89	0.58
85419	FOIL		10.5	87.4	2.1	97	0.58
85419	FOIL		7.4	89.5	3.1	84	0.55

Jewel	Spot Type	Notes	Ag wt%	Au wt%	Cu wt%	Au(L3/M)	Au(L2/L3)
85419	FOIL		6.7	90.9	2.3	116	0.59
85419	FOIL		6.7	91.5	1.8	89	0.57
85419	FOIL		6.2	92.7	1.0	92	0.57
85419	FOIL		6.6	91.2	2.2		
85419	FOIL		7.6	89.4	3.0	85	0.58
85419	FOIL		3.1	95.8	1.1	102	0.56
85419	FOIL		3.1	95.9	1.0	114	0.57
85419	FOIL		12.1	84.8	3.1	86	0.56
85419	FOIL		12.3	84.6	3.2	84	0.57
85419	WIRE		5.1	94.1	0.8		
85419	WIRE		7.1	91.6	1.2		
85419	WIRE		11.1	86.2	2.8		
85419	WIRE		8.9	89.0	2.0		
85419	WIRE		8.1	90.0	1.9		
85419	JOINT	foil+foil	16.6	82.0	1.4		
85419	JOINT	foil+foil	15.7	83.1	1.3		
85419	JOINT	foil+foil	17.3	80.8	1.9		
85494	FOIL		0.4	95.5	4.2	99	0.6
85494	FOIL		0.0	95.6	4.4	103	0.6
85494	FOIL		0.0	96.4	3.6	102	0.58
85494	FOIL		0.3	95.4	4.3	100	0.6
85494	FOIL		0.3	95.6	4.0	100	0.59
85494	JOINT	foil+loop	11.8	84.6	3.6		
85494	JOINT	foil+loop	19.7	75.9	4.5		