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From invisible gold in arsenian pyrite to gold-rich brown "muds" in karst cavities: supergene Au–Ag remobilisation in the Bigar area, Western Timok, Serbia

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Supplementary: Tables

Table S1. Original samples and sampling locations

S1. táblázat. Alapminták és mintavételi helyek

#	Study Vizsgálat	Sample ID Minta	Prospect Terület	Sampling Mintavétel	Site ID Hely ID	From–to (m) Mintázott szakasz	Easting (m) Kelet	Northing (m) Észak	Elevation (m) Magasság	Material type Anyagtípus	Description (English) Leírás (angolul)	Company Au (ppm) FAA505
1	2014	MD0601	Bigar	D	BIDD006	17.50–17.60	571708	4897151	881.15	Skarn / Szkarn	Fresh green skarn.	0.06
2	2014	MD0602	Bigar	D	BIDD006	20.50–20.60	571706	4897151	878.52	Skarn / Szkarn	Fresh green and grey skarn.	0.89
3	2014	MD0603	Bigar	D	BIDD006	22.00–23.00	571705	4897151	876.81	Skarn / Szkarn	Weathered, pale brown skarn.	0.22
4	2014	MD0604	Bigar	D	BIDD006	32.80–34.10	571700	4897151	867.16	Clay/earthy material / Agyagos-földes anyag	Friable brown clay.	2.95
5	2014	MD0605	Bigar	D	BIDD006	37.10–37.20	571698	4897151	863.90	Clay/earthy material / Agyagos-földes anyag	Friable brown clay.	0.34
6	2014	MD1901	Bigar	D	BIDD019	115.20–115.3	571334	4897232	779.00	Carbonate rock / Karbonátos kőzet	White brecciated recrystallised KLS.	0.05
7	2014	MD1902	Bigar	D	BIDD019	122.60–122.7	571330	4897233	772.52	Clay/earthy material / Agyagos-földes anyag	Dark brown clay.	7.15
8	2014	MD1903	Bigar	D	BIDD019	124.3–124.4	571329	4897233	771.03	Clay/earthy material / Agyagos-földes anyag	Dark brown clay.	4.78
9	2014	MD1904	Bigar	D	BIDD019	125.8–125.9	571329	4897233	769.72	Clay/earthy material / Agyagos-földes anyag	Brown earthy sample.	9.04
10	2014	MD1905	Bigar	D	BIDD019	131.7–131.8	571326	4897233	764.55	Other material / Egyéb anyag	Brown rock with narrow black veins.	0.86
11	2014	MD1906	Bigar	D	BIDD019	115.90–116	571333	4897233	778.38	Carbonate rock / Karbonátos kőzet	Limestone breccia.	0.05
12	2014	MD1907	Bigar	D	BIDD019	117.40–117.5	571333	4897233	777.07	Carbonate rock / Karbonátos kőzet	Chemically weathered LS.	0.13
13	2014	MD1908	Bigar	D	BIDD019	123.5–123.6	571330	4897233	771.73	Clay/earthy material / Agyagos-földes anyag	Dark brown clay.	11.77
14	2014	MD1909	Bigar	D	BIDD019	127.3–127.4	571328	4897233	768.40	Carbonate rock / Karbonátos kőzet	Altered limestone.	1.30
15	2014	MD1910	Bigar	D	BIDD019	133–134	571325	4897233	763.02	Soil/regolith / Talaj/regolit	Regolith.	1.04
16	2014	MD1911	Bigar	D	BIDD019	125.6–125.7	571329	4897233	769.89	Clay/earthy material / Agyagos-földes anyag	White and orange clay.	9.04
17	2014	MD2202	Bigar	D	BIDD022	97.3–97.4	571445	4897797	672.93	Marble / Márvány	Medium-crystalline marble with light brown bands.	0.10
18	2014	MD2601	Bigar	D	BIDD026	58.5–58.6	571318	4897770	728.46	Carbonate rock / Karbonátos kőzet	Yellow, earthy clay, weathered MSK.	0.81
19	2014	MD2602	Bigar	D	BIDD026	59.5–59.6	571317	4897770	727.59	Carbonate rock / Karbonátos kőzet	Brown brecciated MSK.	1.26
20	2014	MD2603	Bigar	D	BIDD026	61.5–61.7	571316	4897770	725.81	Carbonate rock / Karbonátos kőzet	Brown brecciated MSK.	0.38
21	2014	MD2604	Bigar	D	BIDD026	86.5–86.7	571304	4897771	704.14	Carbonate rock / Karbonátos kőzet	Brecciated MLS with brown clay.	0.05
22	2014	MOBi02_01	Bigar	O	MOBi02	—	571250	4897587	785.00	Calc-silicate rock / Mészszilikátos kőzet	Hard, grey banded calc-silicate.	*n.a.*
23	2014	MOBi02_02	Bigar	O	MOBi02	—	571250	4897587	785.00	Calc-silicate rock / Mészszilikátos kőzet	Soft, grey calc-silicate.	*n.a.*
24	2014	MT8001	Bigar	T	BITR080	123.2–123.5	571206	4897796	746.70	Carbonate rock / Karbonátos kőzet	Limestone; only the dissolution residue is listed among analysed materials.	*n.a.*
25	2014	MT8002	Bigar	T	BITR080	123.2–123.5	571206	4897796	747.00	Not specified / Nincs megadva	Only the <32 µm fraction and dissolution residue are listed; original material is not described.	*n.a.*
26	2014	MT8003	Bigar	T	BITR080	123.2–123.5	571206	4897796	747.50	Soil/regolith / Talaj/regolit	Upper regolith.	*n.a.*
27	2014	MT8201	Bigar	T	BITR082	58–58.9	571276	4897750	769.04	Clay/earthy material / Agyagos-földes anyag	Yellow oxidised clay.	8.72
28	2014	MT8202	Bigar	T	BITR082	58–58.7	571276	4897750	769.04	Carbonate rock / Karbonátos kőzet	Black silicified limestone.	8.72
29	2014	MT8203	Bigar	T	BITR082	57–57.9	571276	4897751	769.02	Carbonate rock / Karbonátos kőzet	White limestone.	1.32

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30	2014	MT8204	Bigar	T	BITR082	58–58.7	571276	4897750	769.04	Clay/earthy material / Agyagos-földes anyag	Dark brown clay.	8.72
31	2014	MT8205	Bigar	T	BITR082	58–58.7	571276	4897750	769.04	Clay/earthy material / Agyagos-földes anyag	Dark, reddish LS from below brown clay.	8.72
32	2014	MT8206	Bigar	T	BITR082	58–58.5	571276	4897750	769.03	Other material / Egyéb anyag	Brown rock piece.	8.72
33	2014	MT8301	Bigar	T	BITR083	41–42	571074	4897778	744.70	Soil/regolith / Talaj/regolit	Brown soil.	2.09
34	2014	MT8302	Bigar	T	BITR083	40–41	571073	4897778	744.90	Clay/earthy material / Agyagos-földes anyag	Chocolate brown clay.	2.13
35	2014	MT8303	Bigar	T	BITR083	35–36	571074	4897778	744.70	Fe-rich material / Fe-dús anyag	Goethitic nodule.	1.32
36	2014	MT8801	Bigar	T	BITR088	60–61	571212	4897679	762.72	Other material / Egyéb anyag	Brown mud with hard clasts.	0.69
37	2014	MT8802	Bigar	T	BITR088	60–61	571212	4897679	762.72	Clay/earthy material / Agyagos-földes anyag	Light brown powdery, clayish material with white clasts.	0.69
38	2014	MT8803	Bigar	T	BITR088	60–61	571212	4897679	762.72	Clay/earthy material / Agyagos-földes anyag	Orange and brown clay.	0.69
39	2014	MT8804	Bigar	T	BITR088	60–61	571212	4897679	762.72	Other material / Egyéb anyag	Silicified breccia.	0.69
40	2014	MT8805	Bigar	T	BITR088	45–46	571225	4897684	762.73	Clay/earthy material / Agyagos-földes anyag	Brown clay.	4.63
41	2014	MT8806	Bigar	T	BITR088	45–46	571225	4897684	762.73	Carbonate rock / Karbonátos kőzet	Limestone breccia.	4.63
42	2014	MT8807	Bigar	T	BITR088	46–47	571225	4897683	762.99	Clay/earthy material / Agyagos-földes anyag	Orange clay.	0.47
43	2014	MT8810	Bigar	T	BITR088	31–32	571237	4897692	761.65	Skarn / Szkarn	Weakly oxidised skarn from trench.	0.44
44	2014	MT8811	Bigar	T	BITR088	33–35	571235	4897690	761.85	Carbonate rock / Karbonátos kőzet	Greyish white, micritic carbonate rock.	0.26
45	2018	A182002	Bigar	O	LEM_280	—	571422	4897006	811.17	Marble / Márvány	Coarse crystalline marble with dark Fe-rich grains along fractures.	*n.a.*
46	2018	A182003	Bigar	O	LEM_281	—	571405	4897007	812.40	Marble / Márvány	Coarse crystalline marble with limonitized brown fractures.	*n.a.*
47	2018	A182004	Bigar	O	LEM_282	—	571404	4897007	812.21	Karst fill/breccia / Karsztkitöltés/breccsa	Clay-rich karst infill with banded limonite-clay pebbles and limonitized carbonate clasts.	*n.a.*
48	2018	A182005	Korkan West - Bigar Hill	O	LEM_304	—	570446	4898889	622.65	Carbonate rock / Karbonátos kőzet	Brecciated Jurassic limestone with limonitic veinlets at a fault intersection.	*n.a.*
49	2018	A182006	Korkan West - Bigar Hill	O	LEM_052_B	—	570166	4898912	619.41	Carbonate rock / Karbonátos kőzet	Light grey, slightly porous sandy Jurassic limestone with weak acid reaction.	*n.a.*
50	2018	A182007	Korkan West - Bigar Hill	O	LEM_056_B	—	570089	4898935	621.42	Carbonate rock / Karbonátos kőzet	Sandy limestone containing 2-3 cm calcite crystals, weak acid reaction.	*n.a.*
51	2018	A182008	Bigar	C	BICH109	26–28	571029	4896718	785.00	Skarn / Szkarn	Weathered, greenish-yellow skarn.	*n.a.*
52	2018	A182009	Bigar	T	BITR112	20–22	571202	4896761	784.80	Skarn / Szkarn	Hard greenish-grey to yellow-brown skarn with goethite-hematite pseudomorphs and veins.	*n.a.*
53	2018	A182010	Korkan West	O	LEM_471	—	569133	4899481	698.90	Soil/regolith / Talaj/regolit	Terra rossa soil sampled at approximately 0.5 m depth.	*n.a.*
54	2018	A182011	Korkan West - Bigar Hill	T	BITR126	98–99	569624	4898896	694.10	Carbonate rock / Karbonátos kőzet	Fractured limestone with subangular clasts and calcite veins.	*n.a.*
55	2018	A182012	Korkan West - Bigar Hill	T	BITR126	95–96	569626	4898898	693.10	Clay/earthy material / Agyagos-földes anyag	Brown clay-rich saprock with polymetallic characteristics.	*n.a.*
56	2018	A182013	Korkan West - Bigar Hill	T	BITR127	195–196	569910	4898846	660.80	Other material / Egyéb anyag	Strongly oxidized, banded hydrothermal breccia with limonite and hematite.	*n.a.*
57	2018	A182014	Bigar Hill	C	BHCH132	9–10	569900	4898456	664.10	Karst fill/breccia / Karsztkitöltés/breccsa	Rusty to dark brown, weathered, clay-rich polymetallic karst material.	*n.a.*
58	2018	A182015	Bigar Hill	C	BICH133	58–59	569798	4898451	664.60	Karst fill/breccia / Karsztkitöltés/breccsa	Yellow-brown karst infill with angular carbonate clasts and clay-rich matrix.	*n.a.*

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59	2018	A182016	Bigar Hill	C	BHCH020	76–77	570100	4898703	616.00	Carbonate rock / Karbonátos kőzet	Red sandy fault-zone breccia near the sandstone-limestone contact.	*n.a.*
60	2018	A182032	Bigar	T	BITR138	4–5	570157	4897820	681.00	Karst fill/breccia / Karsztkitöltés/breccsa	Friable reddish-brown, clay-rich karst infill containing detrital grains and ferricrete-like material.	*n.a.*
61	2018	A182033	Bigar	T	BITR138	25–26	570147	4897837	679.00	Karst fill/breccia / Karsztkitöltés/breccsa	Hard rusty-brown karst infill with Fe-oxide cement and subordinate clay-rich bands.	*n.a.*
62	2018	A182034	Bigar	T	BITR136	58–59	570274	4897501	710.00	Clay/earthy material / Agyagos-földes anyag	Soft, yellow-brown clay-rich sedimentary breccia with limonitic clay clasts.	*n.a.*
63	2018	A182035	Bigar	T	BITR040	31–32	570183	4897665	700.00	Fe-rich material / Fe-dús anyag	Hard, dark-brown to black, banded Fe-rich gossan.	*n.a.*
64	2018	A182036	Bigar Hill	C	BICH130	43–44	569759	4898574	637.00	Karst fill/breccia / Karsztkitöltés/breccsa	Light-brown karst breccia with mottled, subangular clasts in a fine-grained brown clay matrix.	*n.a.*
65	2018	A182037	Korkan West - Bigar Hill	T	KOTR176	16–17	570110	4898954	650.00	Carbonate rock / Karbonátos kőzet	Grey, irregularly banded, vuggy Jurassic limestone with micritic and altered bands.	*n.a.*
66	2018	A182039	Korkan West	D	KWDDMET001	6–7	569841	4899339	633.94	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Oxidized, poorly sorted S1 sandstone with brownish-yellow clay-rich.	*n.a.*
67	2018	A182040	Korkan West	D	KWDDMET001	19–20	569841	4899339	621.24	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Oxidized, moderately fractured, medium-grained S1 sandstone.	*n.a.*
68	2018	A182041	Korkan West	D	KWDDMET001	21–22	569841	4899339	619.44	Calcite vein / Kalcittelér	Massive calcite vein with small brown oxidized S1 sandstone patches.	*n.a.*
69	2018	A182042	Korkan West	D	KWDDMET001	27–28	569841	4899339	613.04	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Grey S1 sandstone with fractures filled by light-brown clay-rich sand.	*n.a.*
70	2018	A182043	Bigar Hill	D	BHDDMET001	30–31	570478	4898642	645.42	S2 sandstone / S2 homokkő	Strongly limonitized S2 sandstone.	*n.a.*
71	2018	A182044	Bigar Hill	D	BHDDMET001	38–39	570478	4898642	637.52	S2 sandstone / S2 homokkő	Orange-brown oxidized S2 sandstone with pervasive limonitization.	*n.a.*
72	2018	A182045	Bigar Hill	D	BHDDMET001	43–44	570478	4898642	631.97	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Fractured grey S1 sandstone with limonite-filled cracks.	*n.a.*
73	2018	A182046	Korkan	D	KODDMET001	26–27	570263	4900474	596.28	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Transitional S1 sandstone breccia at an oxide-sulphide contact, with carbonate clasts.	*n.a.*
74	2018	A182047	Korkan	D	KODDMET001	29–30	570263	4900474	593.28	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Transitional S1 conglomeratic sandstone with a clay clast spanning oxidized and sulphidic zones.	*n.a.*
75	2018	A182048	Korkan	D	KODDMET001	31–32	570263	4900474	591.28	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Light-brown, poorly sorted, oxidized pebbly S1 sandstone/conglomerate with limonitic fragments.	*n.a.*
76	2018	A182049	Korkan	D	KODDMET001	33–34	570263	4900474	588.92	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Transitional pebbly S1 sandstone with a fresh block in the oxide zone.	*n.a.*
77	2018	A182050	Korkan	D	KODDMET002	6–7	570223	4900437	602.83	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Clay-rich pebbly S1 sandstone with a sharp oxide-sulphide contact.	*n.a.*
78	2018	A182051	Korkan	D	KODDMET003	24.8–26	570264	4900475	597.27	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Transitional S1 conglomerate with oxidized claystone clasts and partly oxidized matrix.	*n.a.*
79	2018	A182052	Korkan	D	KODDMET003	30.5–32	570264	4900475	591.97	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Transitional S1 conglomerate with sand matrix, partly oxidized clasts and fresh pyrite.	*n.a.*
80	2018	A182053	Korkan	D	KODDMET003	40–41	570264	4900475	582.07	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Oxidized grey S1 sandstone cut by parallel cracks filled with yellow sandy material.	*n.a.*
81	2018	A182054	Korkan	D	KODDMET003	45–46	570264	4900475	577.07	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Ochre, fine-grained, clay-rich S1 sandstone with goethite and calcite cement.	*n.a.*
82	2018	A182055	Korkan	D	KODDMET003	51.6–53	570264	4900475	569.97	S1 sandstone/conglomerate / S1 homokkő/konglomerátum	Transitional S1 sandstone with orange oxidation patches.	*n.a.*
83	2018	A182056	Bigar Hill	D	BHDD083	10–11	570710	4898133	774.15	Intrusive rock / Intruzív kőzet	Strongly oxidized porphyritic diorite with orange-brown clay-rich and limonite-veined domains.	*n.a.*
84	2018	A182057	Bigar Hill	D	BHDD044	150–150.8	570604	4898658	519.85	Carbonate rock / Karbonátos kőzet	Partly oxidized, brecciated Cretaceous limestone and fault-gouge material with calcite veins.	*n.a.*
85	2018	A182058	Bigar Hill	D	BHDD001	55–56	570377	4898727	589.68	Karst fill/breccia / Karsztkitöltés/breccsa	Red laminated karst infill within brecciated Jurassic limestone, with yellow bands and rounded pebbles.	*n.a.*

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86	2018	A182059	Bigar Hill	D	BHDD017	255–256	570854	4898097	486.75	Skarn / Szkarn	Brown banded skarn, locally brecciated, with abundant carbonate veinlets.	*n.a.*
87	2018	A182060	Bigar Hill	D	BHDD068	312–313	570608	4898181	456.21	Carbonate rock / Karbonátos kőzet	Partly oxidized massive Cretaceous limestone with limonite patches and carbonate veinlets.	*n.a.*
88	2018	A182061	Bigar Hill	D	BHDT207	259–260	570414	4898374	501.95	Karst fill/breccia / Karsztkitöltés/breccsa	Partly oxidized, vuggy karst-infill breccia between Jurassic and Cretaceous limestones.	*n.a.*
89	2018	A182062	Bigar Hill	D	BHDD068	309–310	570608	4898181	459.46	Carbonate rock / Karbonátos kőzet	Sulphide-bearing Cretaceous limestone.	*n.a.*

All listed original samples underwent macroscopic and stereomicroscopic examination. Material types are descriptive groups, not confirmed genetic assignments.

Company Au values (FAA505) refer to the corresponding 1 m company sampling intervals, not necessarily to the selected specimen interval or separated fraction. Company assay interval endpoints are not provided separately in the chart.

Coordinates are in UTM zone 34 (EPSG:32634).

Sampling: D = drill core; T = exploration trench; O = outcrop; C = channel.

n.a. = no analytical result available; it does not mean zero or below detection. < and > are retained exactly as reported. % = mass percent.

Valamennyi felsorolt eredeti mintán makroszkópos és sztereomikroszkópos megfigyeléseket végeztünk. Az anyagtípusok leíró csoportok, nem bizonyított genetikai besorolások.

A vállalati Au-adatok (FAA505) a kapcsolódó 1 m-es vállalati mintázási szakaszokra vonatkoznak; nem feltétlenül a kiválasztott példány szakaszára vagy az elkülönített frakcióra. A vállalati elemzési intervallumok kezdő- és végpontja a táblában nincs külön megadva.

A koordináták UTM zóna 34-ben (EPSG:32634) szerepelnek.

Mintavétel: D = fúrómag; T = kutatóárok; O = feltárás; C = csatornaminta.

n.a. = nem áll rendelkezésre elemzési eredmény; nem jelent nullát vagy kimutatási határ alatti. A < és > jeleket megőriztük. % = tömegszázalék.

Table S2. Investigated specimens, separated fractions and analytical methods

S2. táblázat. Vizsgálati tételek, szeparált frakciók és alkalmazott módszerek

#	Study Vizsgálat	Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Analyses performed Elvégzett vizsgálatok
1	2014	MD0601	bulk	Au, SEM-EDX, Raman
2	2014	MD0602	bulk	Au
3	2014	MD0603	bulk	Au, XRD, SEM-EDX
4	2014	MD0604	bulk	Au, multielement, SEM-EDX
5	2014	MD0604	<32 µm	multielement
6	2014	MD0604	125-250 µm	XRD
7	2014	MD0604	125-250 µm heavy min.	XRD, SEM-EDX
8	2014	MD0604	125-250 µm light min.	XRD
9	2014	MD0605	bulk	Au, XRD
10	2014	MD1901	bulk	Au, XRD, SEM-EDX
11	2014	MD1902	bulk	Au, SEM-EDX
12	2014	MD1902	<32 µm	XRD
13	2014	MD1902	250-500 µm	XRD
14	2014	MD1902	light brown	XRD
15	2014	MD1902	dark brown	XRD
16	2014	MD1902	banded white	XRD
17	2014	MD1902	white	XRD
18	2014	MD1902	black	XRD
19	2014	MD1903	bulk	Au, XRD
20	2014	MD1903	<32 µm	XRD
21	2014	MD1903	>500 µm	XRD
22	2014	MD1903	dark brown	XRD
23	2014	MD1904	bulk	Au
24	2014	MD1904	<32 µm	multielement
25	2014	MD1904	125-250 µm	XRD, SEM-EDX
26	2014	MD1904	black	XRD, multielement
27	2014	MD1904	rusty brown	XRD, multielement
28	2014	MD1904	white	XRD, multielement
29	2014	MD1904	brown	XRD
30	2014	MD1905	bulk	Au, XRD

#	Study Vizsgálat	Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Analyses performed Elvégzett vizsgálatok
31	2014	MD1906	bulk	Au
32	2014	MD1906	white	XRD
33	2014	MD1906	diss. residue	XRD
34	2014	MD1907	bulk	Au, XRD
35	2014	MD1908	bulk	Au, multielement, SEM-EDX, SEM-WDX
36	2014	MD1908	<32 µm	XRD, multielement
37	2014	MD1908	63–125 µm	multielement
38	2014	MD1908	250-500 µm goethite	XRD, SEM-EDX, Raman
39	2014	MD1908	brown	XRD
40	2014	MD1909	bulk	Au, SEM-EDX
41	2014	MD1909	black	XRD
42	2014	MD1909	yellow	XRD
43	2014	MD1910	bulk	Au
44	2014	MD1910	<32 µm	XRD
45	2014	MD1911	bulk	Au, SEM-EDX
46	2014	MD1911	orange	XRD
47	2014	MD1911	yellow	XRD
48	2014	MD2202	bulk	SEM-EDX
49	2014	MD2601	bulk	Au, XRD
50	2014	MD2602	bulk	Au
51	2014	MD2603	bulk	Au, XRD
52	2014	MD2604	bulk	Au, XRD
53	2014	MOBi02_01	bulk	XRD, multielement, SEM-EDX
54	2014	MOBi02_02	bulk	XRD, SEM-EDX
55	2014	MT8001	dissolution residue	XRD
56	2014	MT8002	<32 µm	XRD
57	2014	MT8002	dissolution residue	XRD
58	2014	MT8003	bulk	XRD
59	2014	MT8003	<32 µm	XRD
60	2014	MT8201	bulk	Au, multielement, SEM-EDX
61	2014	MT8202	bulk	Au
62	2014	MT8202	dissolution residue	Au, XRD, multielement
63	2014	MT8203	bulk	Au, XRD

#	Study Vizsgálat	Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Analyses performed Elvégzett vizsgálatok
64	2014	MT8204	bulk	Au, XRD, multielement, SEM-EDX, Raman
65	2014	MT8205	bulk	Au
66	2014	MT8205	brown	XRD
67	2014	MT8206	bulk	Au
68	2014	MT8206	dark brown	XRD
69	2014	MT8301	bulk	Au
70	2014	MT8301	<32 µm	XRD
71	2014	MT8302	bulk	Au, multielement
72	2014	MT8302	<32 µm	XRD
73	2014	MT8303	bulk	Au, XRD, multielement, SEM-EDX
74	2014	MT8801	bulk	Au, multielement
75	2014	MT8801	<32 µm	XRD
76	2014	MT8801	clast	XRD
77	2014	MT8801	matrix	XRD
78	2014	MT8801	settled residues (5)	XRD
79	2014	MT8802	bulk	Au
80	2014	MT8802	diss. residue white	XRD
81	2014	MT8802	diss. residue brown	XRD
82	2014	MT8803	bulk	Au, XRD
83	2014	MT8804	bulk	Au
84	2014	MT8805	bulk	Au, XRD, multielement
85	2014	MT8805	<32 µm	XRD
86	2014	MT8806	bulk	Au, XRD, multielement
87	2014	MT8807	bulk	Au, XRD
88	2014	MT8810	bulk	Au, XRD, multielement, SEM-EDX
89	2014	MT8811	bulk	Au, XRD
90	2018	A182002	bulk	multielement, SEM-EDX, SEM-WDX
91	2018	A182002	diss. residue heavy min.	SEM-EDX
92	2018	A182003	bulk	multielement, SEM-EDX
93	2018	A182004	bulk	multielement
94	2018	A182005	bulk	multielement, SEM-EDX
95	2018	A182006	bulk	multielement, SEM-EDX, SEM-WDX
96	2018	A182007	bulk	multielement, SEM-EDX

#	Study Vizsgálat	Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Analyses performed Elvégzett vizsgálatok
97	2018	A182008	bulk	multielement, SEM-EDX, SEM-WDX
98	2018	A182009	bulk	multielement, SEM-EDX, SEM-WDX
99	2018	A182010	bulk	multielement
100	2018	A182011	bulk	multielement
101	2018	A182012	bulk	multielement, SEM-EDX, SEM-WDX
102	2018	A182013	bulk	multielement, SEM-EDX
103	2018	A182014	bulk	multielement, SEM-EDX
104	2018	A182015	bulk	multielement, SEM-EDX
105	2018	A182016	bulk	multielement, SEM-EDX
106	2018	A182032	bulk	multielement, SEM-EDX
107	2018	A182033	bulk	multielement, SEM-EDX
108	2018	A182034	bulk	multielement, SEM-EDX
109	2018	A182035	bulk	multielement
110	2018	A182036	bulk	multielement, SEM-EDX
111	2018	A182037	bulk	multielement
112	2018	A182039	bulk	multielement, SEM-EDX
113	2018	A182040	bulk	multielement
114	2018	A182041	bulk	multielement, SEM-EDX
115	2018	A182042	bulk	multielement, SEM-EDX
116	2018	A182043	bulk	multielement, SEM-EDX, SEM-WDX
117	2018	A182044	bulk	multielement, SEM-EDX
118	2018	A182045	bulk	multielement, SEM-EDX
119	2018	A182046	bulk	multielement, SEM-EDX
120	2018	A182047	bulk	multielement, SEM-EDX, SEM-WDX
121	2018	A182048	bulk	multielement, SEM-EDX
122	2018	A182049	bulk	multielement, SEM-EDX
123	2018	A182050	bulk	multielement, SEM-EDX
124	2018	A182051	bulk	multielement
125	2018	A182052	bulk	multielement
126	2018	A182053	bulk	multielement, SEM-EDX
127	2018	A182054	bulk	multielement, SEM-EDX
128	2018	A182055	bulk	multielement, SEM-EDX, SEM-WDX
129	2018	A182056	bulk	multielement, SEM-EDX

#	Study Vizsgálat	Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Analyses performed Elvégzett vizsgálatok
130	2018	A182057	bulk	only Au, SEM-EDX
131	2018	A182058	bulk	Au-Ag, SEM-EDX
132	2018	A182059	bulk	only Au, SEM-EDX
133	2018	A182060	bulk	Au-Ag, SEM-EDX
134	2018	A182061	bulk	only Au, SEM-EDX, SEM-WDX
135	2018	A182062	bulk	Au-Ag, SEM-EDX, SEM-WDX

Only specimens and separated materials subjected to further analysis are listed. Prepared fractions and residues not subsequently analysed are omitted.

Longer-counting-time XRD measurements used to improve signal-to-noise ratio are not distinguished separately.

The entry “settled residues (5)” is retained a one source entry representing five separate XRD measurements.

“Au" indcates company-protocol gold data for related 1 m intervals, given in supplementary chart S1 (FAA505).

“multielement” denotes the SGS multi-element analysistogether with Au (IMS40B; AAS42S; FAA303)

XRD = X-ray powder diffraction; SEM-EDX = scanning electron microscopy with energy-dispersive X-ray analysis; SEM-WDX = wavelength-dispersive X-ray microanalysis.

Csak a további vizsgálatnak alávetett példányokat és szeparált anyagokat soroltuk fel. A később nem vizsgált preparált frakciókat és oldási maradékokat elhagytuk.

A jel–zaj viszony javítására végzett hosszabb számlálási idejű XRD-méréseket nem jelöltük külön.

A „settled residues (5)” tételt egy forrássorként tartottuk meg; öt külön XRD-mérést jelöl.

Az „Au” jelzi a kapcsolódó 1 m-es szakasz vállalati protokoll szerinti elvégzett aranyelemzését (FAA505), melyet az S1 kiegészítő táblázat tartalmaz.

A „multielement” az SGS többelemű, aranyat is magába foglaló elemzését jelöli. (IMS40B; AAS42S; FAA303)

XRD = röntgen-pordiffrakció; SEM-EDX = pásztázó elektronmikroszkópia energiadiszperzív röntgenmikroanalízissel; SEM-WDX = hullámhosszdiszperzív röntgenmikroanalízis.

Table S3a. Chemical analytical results
S3a. táblázat. Kémiai elemzési eredmények

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Au (ppm) FAA303	Ag (ppm) IMS40B	Ag (ppm) AAS42S	As (ppm) IMS40B	Cd (ppm) IMS40B	Cu (ppm) IMS40B	Fe (%) IMS40B	Fe (%) AAS42S	Mn (ppm) IMS40B	Mn (%) AAS42S	Pb (ppm) IMS40B	Pb (%) AAS42S	Sb (ppm) IMS40B	Tl (ppm) IMS40B	Zn (ppm) IMS40B	Zn (%) AAS42S
2014																	
Lower limit / Alsó határ		*0.01*	*0.05*	*5*	*1*	*0.01*	*0.5*	*0.01*	*0.01*	*5*	*0.01*	*2*	*0.01*	*0.05*	*0.02*	*0.5*	*0.01*
Upper limit / Felső határ		*1000*	*10*	*500*	*10000*	*10000*	*10000*	*15*	*50*	*10000*	*10*	*10000*	*20*	*10000*	*10000*	*10000*	*40*
MD0604	bulk	1.45	>10	93	2050	179.18	1538	>15	17.48	6560	*n.a.*	>10000	1.6	132	5.77	>10000	6.19
MD0604	<32 µm	3.5	>10	51	3068	141.41	1441	13.79	*n.a.*	5048	*n.a.*	>10000	1.81	146	4.86	>10000	6.95
MD1904	<32 µm	6.75	>10	38	893	12.63	1582	>15	15.74	>10000	2.75	>10000	5.34	304	1.74	>10000	2.74
MD1904	black	10.36	>10	48	1504	26.53	2800	>15	26.67	>10000	4.75	>10000	6.12	553	2.57	>10000	3.1
MD1904	rusty brown	10.58	>10	31	1323	11.17	1723	>15	26.7	8850	*n.a.*	>10000	4.17	720	0.68	>10000	2.68
MD1904	white	5.88	>10	31	68.9	1.99	211	3.37	*n.a.*	839	*n.a.*	3017	*n.a.*	23.8	0.95	>10000	1.74
MD1908	bulk	18.79	>10	73	2213	28.08	2491	>15	25.9	>10000	4.95	>10000	6.25	771	5.82	>10000	2.79
MD1908	<32 µm	2.8	>10	36	1771	23.6	2022	>15	16.6	>10000	5.61	>10000	6.6	988	6.75	>10000	2.38
MD1908	63–125 µm	16.11	>10	76	2659	30	2821	>15	27.76	>10000	4.89	>10000	5.82	1065	6.98	>10000	3.03
MOBi02_01	bulk	0.02	0.2	*n.a.*	10.2	0.27	37.7	1.44	*n.a.*	129	*n.a.*	11	*n.a.*	8.81	0.66	80	*n.a.*
MT8201	bulk	4.31	>10	16.8	492	4.32	272	5.55	*n.a.*	2409.6	*n.a.*	2070	*n.a.*	219	4.42	1587	*n.a.*
MT8202	dissolution residue	0.16	3.09	*n.a.*	114	1.08	20	1.65	*n.a.*	>10000	6.5	100	*n.a.*	22.6	1.79	1496	*n.a.*
MT8204	bulk	2.63	>10	37.6	608	30.72	264	10.42	*n.a.*	>10000	7.3	1479	*n.a.*	273	14.8	>10000	1.04
MT8302	bulk	1.01	>10	11	164	55.2	110	7.6	*n.a.*	>10000	1.07	1051	*n.a.*	119	14.5	4244	*n.a.*
MT8303	bulk	6.46	>10	38.8	2570	44.16	8431	>15	49.8	1757	*n.a.*	7499	*n.a.*	881	1.14	4101	*n.a.*

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Au (ppm) FAA303	Ag (ppm) IMS40B	Ag (ppm) AAS42S	As (ppm) IMS40B	Cd (ppm) IMS40B	Cu (ppm) IMS40B	Fe (%) IMS40B	Fe (%) AAS42S	Mn (ppm) IMS40B	Mn (%) AAS42S	Pb (ppm) IMS40B	Pb (%) AAS42S	Sb (ppm) IMS40B	Tl (ppm) IMS40B	Zn (ppm) IMS40B	Zn (%) AAS42S
MT8801	bulk	0.89	4.38	*n.a.*	385	1.46	96.2	11.16	*n.a.*	5726	*n.a.*	110	*n.a.*	59.9	2.6	1158	*n.a.*
MT8805	bulk	<0.01	>10	11.2	341	1.59	90	9.7	*n.a.*	>10000	6.9	230	*n.a.*	51.9	6.33	525	*n.a.*
MT8806	bulk	0.3	1.96	*n.a.*	87.7	0.44	45.8	2.31	*n.a.*	3571.2	*n.a.*	27	*n.a.*	9.93	1.04	86	*n.a.*
MT8810	bulk	0.03	0.07	*n.a.*	101	0.51	27.9	5.68	*n.a.*	965.2	*n.a.*	37	*n.a.*	9.65	1.29	104	*n.a.*

2018																	
Lower limit / Alsó határ		*0.01*	*0.05*	*5*	*1*	*0.01*	*0.5*	*0.01*	*0.01*	*5*	*0.001*	*2*	*0.01*	*0.05*	*0.02*	*0.5*	*0.01*
Upper limit / Felső határ		*1000*	*10*	*500*	*10000*	*10000*	*10000*	*15*	*40*	*10000*	*5*	*10000*	*20*	*10000*	*10000*	*10000*	*40*
A182002	bulk	0.06	<0.05	*n.a.*	9.2	0.55	10.2	0.44	*n.a.*	573	*n.a.*	76	*n.a.*	3.13	0.02	29.9	*n.a.*
A182003	bulk	0.01	0.98	*n.a.*	20.4	3.94	7.1	0.39	*n.a.*	204	*n.a.*	19	*n.a.*	1.74	0.02	240	*n.a.*
A182004	bulk	0.04	1.46	*n.a.*	192	27.91	38.9	5.24	*n.a.*	2196	*n.a.*	466	*n.a.*	29	0.44	3805	*n.a.*
A182005	bulk	0.14	<0.05	*n.a.*	16.6	1.33	6.6	0.4	*n.a.*	727	*n.a.*	32	*n.a.*	3.52	0.11	185	*n.a.*
A182006	bulk	0.26	<0.05	*n.a.*	11.2	0.31	3.5	0.23	*n.a.*	668	*n.a.*	5	*n.a.*	2.42	0.74	36.5	*n.a.*
A182007	bulk	0.18	0.15	*n.a.*	6.9	0.44	5.5	0.17	*n.a.*	535	*n.a.*	<2	*n.a.*	2.16	0.41	19.9	*n.a.*
A182008	bulk	0.12	0.1	*n.a.*	280	0.2	131	2.66	*n.a.*	1027	*n.a.*	15	*n.a.*	11.8	0.47	40	*n.a.*
A182009	bulk	1.59	2.11	*n.a.*	54.1	75.91	43.5	6.43	*n.a.*	8868	*n.a.*	3658	*n.a.*	38.8	0.25	6656	*n.a.*
A182010	bulk	0.12	0.3	*n.a.*	118	0.24	35.6	3.2	*n.a.*	930	*n.a.*	32	*n.a.*	17.4	0.43	97.7	*n.a.*
A182011	bulk	<0.01	<0.05	*n.a.*	15.8	0.14	4.8	0.23	*n.a.*	191	*n.a.*	4	*n.a.*	3.37	0.1	19.1	*n.a.*
A182012	bulk	0.99	0.54	*n.a.*	860	1.66	41.1	5.22	*n.a.*	488	*n.a.*	26	*n.a.*	63.4	3.6	217	*n.a.*
A182013	bulk	0.02	0.15	*n.a.*	199	0.38	17.8	6.2	*n.a.*	515	*n.a.*	17	*n.a.*	26.3	0.79	46.6	*n.a.*

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Au (ppm) FAA303	Ag (ppm) IMS40B	Ag (ppm) AAS42S	As (ppm) IMS40B	Cd (ppm) IMS40B	Cu (ppm) IMS40B	Fe (%) IMS40B	Fe (%) AAS42S	Mn (ppm) IMS40B	Mn (%) AAS42S	Pb (ppm) IMS40B	Pb (%) AAS42S	Sb (ppm) IMS40B	Tl (ppm) IMS40B	Zn (ppm) IMS40B	Zn (%) AAS42S
A182014	bulk	15.68	>10.0	15	3812	22.44	414	5.15	*n.a.*	>10000	*n.a.*	8711	*n.a.*	188	15.7	1286	*n.a.*
A182015	bulk	0.94	0.35	*n.a.*	569	0.65	22.4	2.4	*n.a.*	533	*n.a.*	45	*n.a.*	26.9	4.28	103	*n.a.*
A182016	bulk	0.86	0.2	*n.a.*	100	0.55	16.1	1.58	*n.a.*	393	*n.a.*	17	*n.a.*	35.9	1.29	79.9	*n.a.*
A182032	bulk	0.51	2.2	*n.a.*	509	13.24	128	11.58	*n.a.*	2120	*n.a.*	299	*n.a.*	91.6	2.46	1454	*n.a.*
A182033	bulk	1.23	9.71	*n.a.*	2247	34.83	284	>15.00	*n.a.*	2106	*n.a.*	1600	*n.a.*	173	2.75	4622	*n.a.*
A182034	bulk	1.07	1.05	*n.a.*	890	0.09	250	7.56	*n.a.*	45	*n.a.*	27	*n.a.*	40.9	5.19	69.6	*n.a.*
A182035	bulk	0.18	0.59	*n.a.*	983	1.74	385	<0.01	*n.a.*	248	*n.a.*	39	*n.a.*	18.2	1.22	637	*n.a.*
A182036	bulk	0.87	0.22	*n.a.*	218	4.54	38	2.09	*n.a.*	769	*n.a.*	41	*n.a.*	12.8	1.43	420	*n.a.*
A182037	bulk	0.84	0.45	*n.a.*	44.6	0.41	5.4	0.64	*n.a.*	647	*n.a.*	3	*n.a.*	11	20.2	26.1	*n.a.*
A182039	bulk	12.13	7.9	*n.a.*	343	0.35	28.1	4.56	*n.a.*	446	*n.a.*	49	*n.a.*	101	15.3	58	*n.a.*
A182040	bulk	1.91	1.62	*n.a.*	122	0.05	16.8	1.23	*n.a.*	538	*n.a.*	13	*n.a.*	21	3.15	25.6	*n.a.*
A182041	bulk	1.24	1.41	*n.a.*	63.8	0.02	14.4	0.87	*n.a.*	1136	*n.a.*	12	*n.a.*	11.9	3.98	25.1	*n.a.*
A182042	bulk	1.74	1.02	*n.a.*	61.6	0.07	32.6	1.17	*n.a.*	749	*n.a.*	18	*n.a.*	14.4	3.24	41.1	*n.a.*
A182043	bulk	17.96	2.12	*n.a.*	282	<0.01	20	2.29	*n.a.*	111	*n.a.*	8	*n.a.*	56.1	13.6	13.1	*n.a.*
A182044	bulk	8.28	>10.0	19	159	1.9	17.4	4.1	*n.a.*	115	*n.a.*	32	*n.a.*	61.3	16.1	79.8	*n.a.*
A182045	bulk	3.88	3.5	*n.a.*	163	0.18	26.1	1.37	*n.a.*	383	*n.a.*	38	*n.a.*	42.8	4.61	33.8	*n.a.*
A182046	bulk	2.02	0.14	*n.a.*	27.3	0.1	3.6	0.57	*n.a.*	303	*n.a.*	3	*n.a.*	18.9	0.4	9.4	*n.a.*
A182047	bulk	3.47	0.07	*n.a.*	62	0.02	6	1.07	*n.a.*	288	*n.a.*	5	*n.a.*	35.7	1.08	23.2	*n.a.*
A182048	bulk	1.06	0.18	*n.a.*	56.3	<0.01	2.4	0.76	*n.a.*	486	*n.a.*	3	*n.a.*	14.8	0.14	9.4	*n.a.*
A182049	bulk	3.56	0.07	*n.a.*	92.7	0.1	11.1	1.3	*n.a.*	269	*n.a.*	7	*n.a.*	44.4	0.61	21.8	*n.a.*

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Au (ppm) FAA303	Ag (ppm) IMS40B	Ag (ppm) AAS42S	As (ppm) IMS40B	Cd (ppm) IMS40B	Cu (ppm) IMS40B	Fe (%) IMS40B	Fe (%) AAS42S	Mn (ppm) IMS40B	Mn (%) AAS42S	Pb (ppm) IMS40B	Pb (%) AAS42S	Sb (ppm) IMS40B	Tl (ppm) IMS40B	Zn (ppm) IMS40B	Zn (%) AAS42S
A182050	bulk	1.17	<0.05	*n.a.*	35.4	0.01	5.7	0.78	*n.a.*	231	*n.a.*	5	*n.a.*	2.1	0.83	15.4	*n.a.*
A182051	bulk	3.35	<0.05	*n.a.*	46.1	0.07	5.9	1.18	*n.a.*	206	*n.a.*	5	*n.a.*	31.2	0.16	20.5	*n.a.*
A182052	bulk	4.28	<0.05	*n.a.*	72.1	0.18	8.7	1.13	*n.a.*	184	*n.a.*	7	*n.a.*	40	0.4	22	*n.a.*
A182053	bulk	2.24	<0.05	*n.a.*	74.6	<0.01	6	0.65	*n.a.*	225	*n.a.*	4	*n.a.*	19.4	0.21	8.6	*n.a.*
A182054	bulk	5.93	<0.05	*n.a.*	157	0.04	8.5	1.22	*n.a.*	156	*n.a.*	6	*n.a.*	31.7	0.46	19.2	*n.a.*
A182055	bulk	1.08	<0.05	*n.a.*	95.2	0.07	4	0.85	*n.a.*	117	*n.a.*	4	*n.a.*	16.1	0.32	17.8	*n.a.*
A182056	bulk	2.52	1.17	*n.a.*	1569	0.06	59.6	4.57	*n.a.*	56	*n.a.*	12.6	*n.a.*	39.9	0.6	103	*n.a.*
A182057	bulk	9.14	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182058	bulk	0.62	0.5	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182059	bulk	0.28	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182060	bulk	2.87	0.13	*n.a.*	16	0.06	8.1	0.28	*n.a.*	1803	*n.a.*	7.9	*n.a.*	5.31	1	44.7	*n.a.*
A182061	bulk	0.64	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182062	bulk	27.9	0.45	*n.a.*	34	0.2	23.2	0.48	*n.a.*	2804	*n.a.*	13	*n.a.*	12	0.8	53.3	*n.a.*

n.a. = no analytical result available; it does not mean zero or below detection.% = mass percent.

SGS methods: IMS40B = multi-element ICP-MS after multi-acid digestion; AAS42S = selected-element AAS following acid digestion (DIG40B); FAA303 = 30 g fire assay with AAS finish.

FAA505 company gold data (50 g fire assay with AAS finish, per source workbook notes) are listed separately in S1.

Different analytical methods and units are retained in separate columns. A numerical over-range follow-up result does not replace the original “>” value. Limits qualify their own study series only.

n.a. = nem áll rendelkezésre elemzési eredmény; nem jelent nullát vagy kimutatási határ alatti értéket. % = tömegszázalék.

SGS-módszerek: IMS40B = multielemes ICP-MS mérés többsavas feltárás után; AAS42S = kiválasztott elemek AAS-meghatározása savas feltárás (DIG40B) után; FAA303 = tűzi vizsgálat 30 g-os bemérésből, AAS-méréssel. A FAA505 vállalati aranyadatai (a forrástábla megjegyzése szerint 50 g-os tűzi vizsgálat, AAS-méréssel) külön, az S1-ben szerepelnek.

Az eltérő módszereket és mértékegységeket külön oszlopokban tartottuk meg. Az ismételt mérés számszerű eredménye nem helyettesíti az eredeti „>” értéket. A határértékek csak a saját vizsgálatsorozatukhoz tartoznak.

Table S3b. Chemical analytical results
S3b. táblázat. Kémiai elemzési eredmények

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Al (%) IMS40B	Ba (ppm) IMS40B	Be (ppm) IMS40B	Bi (ppm) IMS40B	Ca (%) IMS40B	Ce (ppm) IMS40B	Co (ppm) IMS40B	Cr (ppm) IMS40B	Cs (ppm) IMS40B	Ga (ppm) IMS40B	Ge (ppm) IMS40B	Hf (ppm) IMS40B	In (ppm) IMS40B	K (%) IMS40B
2014															
Lower limit / Alsó határ		*0.01*	*5*	*0.1*	*0.02*	*0.01*	*0.05*	*0.1*	*1*	*0.05*	*0.1*	*0.1*	*0.05*	*0.02*	*0.01*
Upper limit / Felső határ		*15*	*10000*	*100*	*10000*	*15*	*1000*	*10000*	*10000*	*1000*	*500*	*10000*	*500*	*500*	*15*
MD0604	bulk	7.11	87.2	0.9	0.62	1.65	37.5	107	33	2.77	14.3	<0.1	2.76	0.06	0.72
MD0604	<32 µm	5.25	99	0.9	1.45	1.79	29	96.8	30.9	2.65	14.8	<0.1	2.24	0.14	0.61
MD1904	<32 µm	3.17	192.2	1.2	37.8	1.12	22.6	28.9	56	1.54	23.5	<0.1	1.21	18.2	0.73
MD1904	black	3.96	127.8	1	64.2	0.66	31.3	43.8	52.3	2.3	23.3	0.2	0.69	25.3	0.23
MD1904	rusty brown	4.96	54.2	1.2	40.7	0.85	34.3	22.8	80.7	1.55	25.5	<0.1	1.16	23.1	0.23
MD1904	white	5.02	313.2	0.9	1.98	4.05	19.5	9.4	41.3	3.84	18.3	<0.1	2.06	1.13	1.69
MD1908	bulk	2.45	72.6	0.7	80.8	2.55	19.5	26.4	71.7	1.49	21.5	0.2	0.37	22.5	0.11
MD1908	<32 µm	5.1	81.2	0.9	75.6	1.29	37	31.9	67.6	5	25.1	<0.1	1	25.9	0.21
MD1908	63–125 µm	3.44	83.2	0.8	99.9	2.35	21.5	23.3	85.7	2.3	23.8	<0.1	0.66	29	0.1
MOBi02_01	bulk	4.7	463.2	0.9	0.13	>15	35.2	8.2	31.4	1.72	8.2	<0.1	1.23	0.05	1.65
MT8201	bulk	1.88	12.6	1.4	1.62	0.2	8.21	25.2	117	0.65	45.1	1.6	1.6	0.15	1.16
MT8202	dissolution residue	0.52	11.2	<0.1	0.26	>15	6.65	4.3	8.4	0.24	3.7	<0.1	0.35	0.04	0.1
MT8204	bulk	5.84	175	1.4	7.5	2.49	79	20.2	59.4	3.91	30.7	<0.1	1.29	0.91	0.96
MT8302	bulk	5.6	406.8	3.5	1.7	0.37	22.9	12.9	76.4	5.5	29.5	<0.1	2.8	0.12	1.63
MT8303	bulk	2.48	32.2	5	46.5	0.1	8.38	5.2	121	0.55	9.6	<0.1	0.41	0.4	0.12

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Al (%) IMS40B	Ba (ppm) IMS40B	Be (ppm) IMS40B	Bi (ppm) IMS40B	Ca (%) IMS40B	Ce (ppm) IMS40B	Co (ppm) IMS40B	Cr (ppm) IMS40B	Cs (ppm) IMS40B	Ga (ppm) IMS40B	Ge (ppm) IMS40B	Hf (ppm) IMS40B	In (ppm) IMS40B	K (%) IMS40B
MT8801	bulk	5.97	373.2	3.1	1.89	1.83	39.3	16.2	85.3	3.18	21.6	<0.1	2.17	0.1	0.98
MT8805	bulk	5.36	851.6	3.2	2.63	2.09	57.8	12.8	52.2	5.39	22.3	<0.1	1.27	0.12	0.72
MT8806	bulk	0.13	18.6	<0.1	0.62	>15	2.34	2.1	6.7	0.06	1	<0.1	<0.05	0.03	0.02
MT8810	bulk	6.07	696.8	0.7	0.21	8.6	31.8	14.4	25.6	0.99	18.4	<0.1	1.18	0.07	2.33

2018															
Lower limit / Alsó határ		*0.01*	*5*	*0.1*	*0.02*	*0.01*	*0.05*	*0.1*	*1*	*0.05*	*0.1*	*n.a.*	*0.05*	*0.02*	*0.01*
Upper limit / Felső határ		*15*	*10000*	*100*	*10000*	*15*	*1000*	*10000*	*10000*	*1000*	*500*	*n.a.*	*500*	*500*	*15*
A182002	bulk	0.74	8	<0.1	0.22	>15.00	7.63	2.3	20.1	0.16	1.2	*n.a.*	0.18	<0.02	0.01
A182003	bulk	0.09	6	<0.1	0.06	>15.00	1.79	1.8	9.6	0.17	0.4	*n.a.*	0.07	<0.02	0.02
A182004	bulk	0.6	78	0.7	0.86	>15.00	5.11	4.4	8	0.45	2.1	*n.a.*	0.13	<0.02	<0.01
A182005	bulk	0.05	7	<0.1	0.06	>15.00	2.18	1.8	6	<0.05	0.2	*n.a.*	<0.05	0.02	<0.01
A182006	bulk	0.05	<5	<0.1	<0.02	>15.00	4.92	1.2	8.4	<0.05	0.2	*n.a.*	<0.05	0.02	<0.01
A182007	bulk	0.06	<5	<0.1	0.07	>15.00	2.76	1.7	6.2	<0.05	0.3	*n.a.*	0.13	<0.02	<0.01
A182008	bulk	7.19	388	1.2	0.33	4.58	21.1	9.5	21.9	2.44	13.8	*n.a.*	1.38	0.04	1.44
A182009	bulk	1.54	25	0.8	1.08	>15.00	6.74	21.2	15	0.26	3.6	*n.a.*	0.4	<0.02	0.03
A182010	bulk	4.96	217	1.7	0.25	0.44	65.8	11	50.7	4.14	11.5	*n.a.*	1.72	0.07	0.79
A182011	bulk	0.35	11	0.2	0.05	>15.00	4.88	1.2	8.1	0.27	0.9	*n.a.*	0.11	<0.02	0.05
A182012	bulk	5.95	193	1.7	0.39	1.06	47.1	14.2	74.8	5.56	14.5	*n.a.*	1.54	0.13	0.84
A182013	bulk	1.26	71	0.7	0.13	0.77	14.3	8.9	39.5	1.07	3.2	*n.a.*	0.32	<0.02	0.2

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Al (%) IMS40B	Ba (ppm) IMS40B	Be (ppm) IMS40B	Bi (ppm) IMS40B	Ca (%) IMS40B	Ce (ppm) IMS40B	Co (ppm) IMS40B	Cr (ppm) IMS40B	Cs (ppm) IMS40B	Ga (ppm) IMS40B	Ge (ppm) IMS40B	Hf (ppm) IMS40B	In (ppm) IMS40B	K (%) IMS40B
A182014	bulk	3.73	436	0.8	0.42	>15.00	25.6	25.2	50.4	3.38	8.1	*n.a.*	1.08	0.19	0.36
A182015	bulk	3.3	62	0.3	0.38	>15.00	15.5	7	31.2	2.11	6.4	*n.a.*	0.79	0.08	0.43
A182016	bulk	1.95	52	0.4	0.2	>15.00	17.7	2	17.7	1.15	4	*n.a.*	0.6	0.04	0.2
A182032	bulk	7.31	573	3.9	1.42	0.3	34.7	11.7	90.5	3.74	21.3	*n.a.*	1.54	0.28	1.3
A182033	bulk	6.4	453	5.3	28.6	1.22	44.2	27.6	130	3.72	26.9	*n.a.*	1.45	5.88	0.74
A182034	bulk	7.99	570	0.8	1.96	0.31	12.4	1.9	27.5	14.4	19.8	*n.a.*	1.61	0.4	1.18
A182035	bulk	2.85	69	1.3	1.32	0.06	14.2	18.6	96.9	1.09	20.3	*n.a.*	1.18	11	0.17
A182036	bulk	1.7	35	0.4	0.11	>15.00	8.74	2.9	15.4	0.93	3.5	*n.a.*	0.21	0.36	0.12
A182037	bulk	0.28	65	0.1	0.04	>15.00	4.38	2.2	8.9	0.21	0.6	*n.a.*	0.07	<0.02	0.04
A182039	bulk	5.7	170	1	0.25	3.57	41.9	12.4	73.7	6.11	16.1	*n.a.*	1.19	0.24	2.03
A182040	bulk	1.19	43	0.3	0.16	>15.00	15.5	2.8	18	1.7	3.5	*n.a.*	0.27	<0.02	0.42
A182041	bulk	0.93	42	0.2	0.45	>15.00	10	2.2	14.9	1.18	2.5	*n.a.*	0.21	0.03	0.28
A182042	bulk	1.27	86	0.2	0.74	>15.00	14.4	2.6	16.6	1.71	3	*n.a.*	0.26	0.04	0.55
A182043	bulk	1.22	65	0.2	0.08	0.09	18.2	3.9	32.6	1.86	4.5	*n.a.*	0.6	0.03	0.51
A182044	bulk	3.19	101	0.4	0.15	0.19	21	9.5	29.1	5.23	6.2	*n.a.*	0.54	0.04	0.58
A182045	bulk	2.28	74	0.4	1.87	>15.00	25.4	4	19.9	4.4	6.8	*n.a.*	0.56	0.05	0.68
A182046	bulk	1.32	35	0.3	0.16	>15.00	11	1.7	11.7	1.31	2.7	*n.a.*	0.32	<0.02	0.43
A182047	bulk	2.03	71	0.4	0.19	12.67	13.8	3.9	21.6	2.52	4.8	*n.a.*	0.5	0.03	0.75
A182048	bulk	1.26	48	0.4	0.07	>15.00	9.91	1.6	14.1	0.9	2.9	*n.a.*	0.3	<0.02	0.45
A182049	bulk	2.05	49	0.4	0.11	9.52	14.4	6	17.4	2.7	4.4	*n.a.*	0.51	<0.02	0.53

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Al (%) IMS40B	Ba (ppm) IMS40B	Be (ppm) IMS40B	Bi (ppm) IMS40B	Ca (%) IMS40B	Ce (ppm) IMS40B	Co (ppm) IMS40B	Cr (ppm) IMS40B	Cs (ppm) IMS40B	Ga (ppm) IMS40B	Ge (ppm) IMS40B	Hf (ppm) IMS40B	In (ppm) IMS40B	K (%) IMS40B
A182050	bulk	1.28	32	0.4	0.09	>15.00	9.59	2.5	8.6	2.18	2.8	*n.a.*	0.31	<0.02	0.36
A182051	bulk	2.69	79	0.5	0.11	>15.00	17	4.5	16.9	3.69	4.9	*n.a.*	0.57	0.03	0.92
A182052	bulk	3.21	91	0.6	0.19	>15.00	19.6	9.9	22.3	5.48	6.2	*n.a.*	0.65	0.03	1.12
A182053	bulk	1.37	38	0.2	0.03	>15.00	12	4.1	5.5	1.52	2.3	*n.a.*	0.23	<0.02	0.64
A182054	bulk	2.56	65	0.5	0.12	>15.00	16.9	3	19.5	2.59	4.5	*n.a.*	0.54	<0.02	1.07
A182055	bulk	1.61	48	0.2	0.07	11.72	13.7	1.7	7.5	2.04	2.9	*n.a.*	0.35	<0.02	0.73
A182056	bulk	1.1	58.4	0.4	0.01	0.92	20.4	20	6.8	2.62	2.6	*n.a.*	<0.05	0.04	0.16
A182057	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182058	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182059	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182060	bulk	0.86	39	0.3	0.28	>15.0	7.21	2.1	21	2.05	3.3	*n.a.*	0.27	0.03	0.35
A182061	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182062	bulk	1	42	0.2	0.75	>15.0	5.65	3.1	26	2.08	4.3	*n.a.*	0.38	0.04	0.39

n.a. = no analytical result available; it does not mean zero or below detection.% = mass percent.

SGS methods: IMS40B = multi-element ICP-MS after multi-acid digestion; AAS42S = selected-element AAS following acid digestion (DIG40B); FAA303 = 30 g fire assay with AAS finish.
FAA505 company gold data (50 g fire assay with AAS finish, per source workbook notes) are listed separately in S1.

Different analytical methods and units are retained in separate columns. A numerical over-range follow-up result does not replace the original “>” value. Limits qualify their own study series only.

n.a. = nem áll rendelkezésre elemzési eredmény; nem jelent nullát vagy kimutatási határ alatti értéket. % = tömegszázalék.

SGS-módszerek: IMS40B = multielemes ICP-MS mérés többsavas feltárás után; AAS42S = kiválasztott elemek AAS-meghatározása savas feltárás (DIG40B) után; FAA303 = tűzi vizsgálat 30 g-os bemérésből, AAS-méréssel. A FAA505 vállalati aranyadatai (a forrástábla megjegyzése szerint 50 g-os tűzi vizsgálat, AAS-méréssel) külön, az S1-ben szerepelnek.

Az eltérő módszereket és mértékegységeket külön oszlopokban tartottuk meg. Az ismételt mérés számszerű eredménye nem helyettesíti az eredeti „>” értéket. A határértékek csak a saját vizsgálatsorozatukhoz tartoznak.

Table S3c. Chemical analytical results

S3c. táblázat. Kémiai elemzési eredmények

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	La (ppm) IMS40B	Li (ppm) IMS40B	Lu (ppm) IMS40B	Mg (%) IMS40B	Mo (ppm) IMS40B	Na (%) IMS40B	Nb (ppm) IMS40B	Ni (ppm) IMS40B	P (%) IMS40B	Rb (ppm) IMS40B	S (%) IMS40B	Sc (ppm) IMS40B	Se (ppm) IMS40B
2014														
Lower limit / Alsó határ		*0.1*	*1*	*0.01*	*0.01*	*0.05*	*0.01*	*0.1*	*0.5*	*0.01*	*0.2*	*0.5*	*0.5*	*2*
Upper limit / Felső határ		*10000*	*50000*	*1000*	*15*	*10000*	*15*	*1000*	*10000*	*n.a. **	*10000*	*5*	*10000*	*1000*
MD0604	bulk	13.5	23.6	0.39	3.41	13.6	<0.01	5.6	103	0.52	33.7	<0.5	8.6	6
MD0604	<32 µm	12.1	20.1	0.32	3.21	6.48	0.02	5.3	79.7	0.47	20.2	<0.5	9	8
MD1904	<32 µm	9.7	27	0.41	0.32	24.2	0.02	3.6	26.5	0.21	9.6	<0.5	8.6	52
MD1904	black	20.6	13.7	0.8	0.25	46.6	<0.01	1.7	19.9	0.3	13.9	<0.5	15.1	57
MD1904	rusty brown	8.3	20	0.43	0.3	19.9	<0.01	3.3	22.5	0.28	9.3	<0.5	13.4	105
MD1904	white	13.3	32.3	0.21	0.48	0.54	0.04	7.1	27	0.13	40	<0.5	14.8	3
MD1908	bulk	24.4	12.7	0.43	0.23	46.1	<0.01	1.3	18.1	0.44	4.2	<0.5	8.7	125
MD1908	<32 µm	33	31	0.41	0.39	46.7	<0.01	2.1	24.9	0.45	21	<0.5	16	97
MD1908	63–125 µm	22.9	12.6	0.49	0.25	45	<0.01	1.5	18.3	0.38	7.3	<0.5	14	170
MOBi02_01	bulk	17.7	8.1	0.25	0.9	0.18	0.73	6.6	15.5	0.04	56.1	<0.5	7.9	<2
MT8201	bulk	3.8	71.7	0.11	0.37	4.55	<0.01	17.9	31.9	0.25	32.1	<0.5	5	<2
MT8202	dissolution residue	3.3	1.7	0.05	9.07	6.57	0.01	0.5	27.3	0.12	2.5	0.5	1.3	2
MT8204	bulk	43.5	31	0.56	0.64	17.4	0.03	7.6	120	0.76	42.8	<0.5	13.6	6
MT8302	bulk	15.9	68.1	0.77	0.9	3.48	0.07	10.3	106	0.09	36.4	<0.5	14.2	3
MT8303	bulk	5.8	4.4	0.31	0.11	3.56	<0.01	1	44.2	0.64	6.5	<0.5	2.4	529

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	La (ppm) IMS40B	Li (ppm) IMS40B	Lu (ppm) IMS40B	Mg (%) IMS40B	Mo (ppm) IMS40B	Na (%) IMS40B	Nb (ppm) IMS40B	Ni (ppm) IMS40B	P (%) IMS40B	Rb (ppm) IMS40B	S (%) IMS40B	Sc (ppm) IMS40B	Se (ppm) IMS40B
MT8801	bulk	23.9	44.4	0.76	1.33	1.96	0.07	10.2	73.5	0.18	18.7	<0.5	19.5	<2
MT8805	bulk	58	43.1	0.94	1.36	3.25	0.04	6.6	84	0.18	28.1	<0.5	14.3	3
MT8806	bulk	2.5	<1	0.05	0.35	0.55	<0.01	0.1	22.4	0.04	0.4	0.6	0.7	2
MT8810	bulk	15.7	3.1	0.22	0.52	0.36	3.18	5.2	15.4	0.07	60.8	<0.5	12	<2

2018														
Lower limit / Alsó határ		*0.1*	*1*	*0.01*	*0.01*	*0.05*	*0.01*	*0.1*	*0.5*	*0.01*	*0.2*	*0.5*	*0.5*	*2*
Upper limit / Felső határ		*10000*	*50000*	*1000*	*15*	*10000*	*15*	*1000*	*10000*	*n.a. **	*10000*	*5*	*10000*	*1000*
A182002	bulk	6.2	2.8	0.13	0.06	0.15	<0.01	1.1	24.7	0.08	2.1	<0.5	4.2	<2
A182003	bulk	1.3	1.4	0.02	0.34	<0.05	0.02	1.4	21.3	0.04	3.1	<0.5	1.6	<2
A182004	bulk	3.9	1.4	0.07	0.26	0.77	0.01	0.7	30.2	1.75	1.7	<0.5	1.6	<2
A182005	bulk	1.6	<1.0	0.03	0.18	<0.05	<0.01	<0.1	25.9	0.09	0.4	0.6	0.7	<2
A182006	bulk	4.5	<1.0	0.07	12.07	1.06	<0.01	0.2	20.6	0.03	0.4	0.6	1.4	<2
A182007	bulk	2.2	<1.0	0.04	>15.00	0.13	<0.01	0.1	17.7	0.02	0.6	<0.5	1.1	<2
A182008	bulk	9.7	10.5	0.22	1.24	3.98	1.03	5.6	8.7	0.06	42	<0.5	11.8	<2
A182009	bulk	3.7	9.5	0.04	0.97	2.5	0.01	1.6	33.5	0.03	1.9	<0.5	2.2	<2
A182010	bulk	40.7	27.2	0.3	0.22	1.38	0.22	11.7	28	0.06	54.9	<0.5	8.8	<2
A182011	bulk	10.5	2.1	0.12	0.25	0.19	0.01	0.7	25.3	0.04	3.4	<0.5	1.1	<2
A182012	bulk	45	32.4	0.47	0.54	9.43	0.07	8.5	56.1	0.17	76.5	<0.5	11.3	<2
A182013	bulk	7.9	7.5	0.08	0.08	2.85	0.04	2	31.3	0.03	18	<0.5	2.4	<2

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	La (ppm) IMS40B	Li (ppm) IMS40B	Lu (ppm) IMS40B	Mg (%) IMS40B	Mo (ppm) IMS40B	Na (%) IMS40B	Nb (ppm) IMS40B	Ni (ppm) IMS40B	P (%) IMS40B	Rb (ppm) IMS40B	S (%) IMS40B	Sc (ppm) IMS40B	Se (ppm) IMS40B
A182014	bulk	16.2	15.7	0.32	0.26	5.57	0.03	3.9	65.9	0.17	28.2	<0.5	11.3	<2
A182015	bulk	7.9	7.8	0.12	0.29	2.03	0.02	5.1	24.5	0.05	14.5	<0.5	4.4	2
A182016	bulk	10.3	10	0.13	0.09	1.46	0.02	2.9	17.4	0.06	9.8	<0.5	3	<2
A182032	bulk	22.9	44.5	1.01	0.21	11.4	0.16	8	151	0.15	52.5	<0.5	16.7	<2
A182033	bulk	40.4	37.4	1.83	0.18	25.5	0.1	6.5	368	0.51	24.7	<0.5	26	4
A182034	bulk	6.1	38.1	0.1	0.21	15.9	0.35	6.8	12.7	0.08	44.7	<0.5	11.7	7
A182035	bulk	5.7	5	0.31	0.03	3.23	0.04	3.8	42.1	0.43	8.6	<0.5	12.4	<2
A182036	bulk	7.1	5.9	0.08	8.72	5.63	0.02	1.1	18.8	0.05	9	<0.5	3.4	<2
A182037	bulk	3.6	1.9	0.06	0.27	0.77	0.02	0.5	32.2	0.02	2.8	0.5	1.5	<2
A182039	bulk	23.6	15	0.14	0.28	6.47	0.08	7.4	38.2	0.13	78	*n.a.*	7.1	4
A182040	bulk	9.3	4.3	0.07	0.16	0.69	<0.01	2	16.1	0.04	16.4	*n.a.*	3.1	<2
A182041	bulk	6.1	4	0.07	0.17	0.72	<0.01	1.2	19.2	0.03	11.6	*n.a.*	2.5	<2
A182042	bulk	8.2	2.5	0.1	0.17	2.25	<0.01	1.9	12.9	0.03	19	*n.a.*	2.6	<2
A182043	bulk	10.6	7	0.04	0.05	1.13	0.02	2.4	7.6	0.04	17.6	*n.a.*	4.6	2
A182044	bulk	12.9	17.3	0.09	0.09	1.04	0.02	3.8	29.7	0.14	27	*n.a.*	4.1	3
A182045	bulk	14.5	8.2	0.07	0.21	2.02	0.02	3.1	12.3	0.05	32.6	*n.a.*	3.4	<2
A182046	bulk	5.3	5.7	0.07	0.15	0.41	0.02	1.7	9.5	0.02	15.5	*n.a.*	1.8	<2
A182047	bulk	6.6	8.9	0.05	0.15	0.56	0.03	2.5	18.1	0.03	28	*n.a.*	2.2	3
A182048	bulk	4.9	4.7	0.07	0.11	0.35	0.02	1.5	8.8	0.02	16	*n.a.*	1.6	<2
A182049	bulk	6.8	8.3	0.08	0.11	0.65	0.02	2.7	13.5	0.04	20.1	*n.a.*	1.9	8

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	La (ppm) IMS40B	Li (ppm) IMS40B	Lu (ppm) IMS40B	Mg (%) IMS40B	Mo (ppm) IMS40B	Na (%) IMS40B	Nb (ppm) IMS40B	Ni (ppm) IMS40B	P (%) IMS40B	Rb (ppm) IMS40B	S (%) IMS40B	Sc (ppm) IMS40B	Se (ppm) IMS40B
A182050	bulk	5	7.7	0.06	0.14	0.21	0.02	1.8	12.8	0.03	17.6	*n.a.*	1.9	<2
A182051	bulk	8.6	14.8	0.09	0.21	0.3	0.03	3.1	17	0.03	34	*n.a.*	2.8	<2
A182052	bulk	10.4	13	0.1	0.19	0.36	0.03	3.9	13.9	0.03	40.9	*n.a.*	3.5	2
A182053	bulk	6.1	4.2	0.06	0.12	0.36	0.01	1.8	13.8	0.03	18.2	*n.a.*	1.6	<2
A182054	bulk	8.7	8.1	0.09	0.14	0.46	0.03	3	13	0.05	31.9	*n.a.*	2.6	<2
A182055	bulk	6.7	4.4	0.05	0.1	0.35	0.02	2.3	12.6	0.03	21.3	*n.a.*	1.9	4
A182056	bulk	9.3	7.3	0.15	0.52	0.35	<0.01	<0.1	13.3	*n.a.*	5.2	*n.a.*	14.2	1
A182057	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182058	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182059	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182060	bulk	3.9	2	0.05	0.31	0.41	0.03	1.1	39.1	0.02	16.1	*n.a.*	1.7	<2.0
A182061	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182062	bulk	3.3	3	0.05	0.33	6.91	0.03	1.3	43.9	0.03	18.6	*n.a.*	2.1	3.5

n.a. = no analytical result available; it does not mean zero or below detection.% = mass percent.

* The P unit (%) and lower limit (0.01%) are retained from the original lab report. The report gives an inconsistent upper detection limit of 10,000 under a % heading; the upper P limit is therefore n.a.

SGS methods: IMS40B = multi-element ICP-MS after multi-acid digestion; AAS42S = selected-element AAS following acid digestion (DIG40B); FAA303 = 30 g fire assay with AAS finish.
FAA505 company gold data (50 g fire assay with AAS finish, per source workbook notes) are listed separately in S1.

Different analytical methods and units are retained in separate columns. A numerical over-range follow-up result does not replace the original “>” value. Limits qualify their own study series only.

n.a. = nem áll rendelkezésre elemzési eredmény; nem jelent nullát vagy kimutatási határ alatti értéket. % = tömegszázalék.

* A P mértékegységét (%) és 0,01%-os alsó határát megtartottuk az eredeti, laboratóriumi jegyzőkönyvből. A jegyzőkönyv a %-os fejléc alatt 10 000-es, ellentmondásos felső kimutatási határt ad meg; ezért a P felső határa n.a.

SGS-módszerek: IMS40B = multielemes ICP-MS mérés többsavas feltárás után; AAS42S = kiválasztott elemek AAS-meghatározása savas feltárás (DIG40B) után; FAA303 = tűzi vizsgálat 30 g-os bemérésből, AAS-méréssel. A FAA505 vállalati aranyadatai (a forrástábla megjegyzése szerint 50 g-os tűzi vizsgálat, AAS-méréssel) külön, az S1-ben szerepelnek.

Az eltérő módszereket és mértékegységeket külön oszlopokban tartottuk meg. Az ismételt mérés számszerű eredménye nem helyettesíti az eredeti „>” értéket. A határértékek csak a saját vizsgálatsorozatukhoz tartoznak.

Table S3d. Chemical analytical results
S3d. táblázat. Kémiai elemzési eredmények

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Sn (ppm) IMS40B	Sr (ppm) IMS40B	Ta (ppm) IMS40B	Tb (ppm) IMS40B	Te (ppm) IMS40B	Th (ppm) IMS40B	Ti (%) IMS40B	U (ppm) IMS40B	V (ppm) IMS40B	W (ppm) IMS40B	Y (ppm) IMS40B	Yb (ppm) IMS40B	Zr (ppm) IMS40B
2014														
Lower limit / Alsó határ		*3*	*0.5*	*0.05*	*0.05*	*0.05*	*0.2*	*0.01*	*0.1*	*1*	*0.1*	*0.5*	*0.1*	*0.5*
Upper limit / Felső határ		*1000*	*10000*	*10000*	*10000*	*500*	*10000*	*15*	*10000*	*10000*	*10000*	*10000*	*1000*	*10000*
MD0604	bulk	<3	35.6	0.5	0.59	22.8	6.2	0.23	3.7	164	28.8	28.7	2.4	81.2
MD0604	<32 µm	<3	38.1	0.45	0.49	82.2	4.4	0.2	3	147	27.7	23.8	1.9	62.6
MD1904	<32 µm	26.33	30.2	0.31	0.54	115	2.9	0.2	2.4	137	3	22.2	2.5	32.2
MD1904	black	40.17	10.9	0.25	1.14	147	2.2	0.08	3.5	131	2.1	49.6	5	21.4
MD1904	rusty brown	43.7	9.7	0.78	0.54	253	2.7	0.11	1.6	110	2.8	22.8	2.6	32.3
MD1904	white	4.01	57.6	0.57	0.37	15.9	5.8	0.35	1.2	93.1	9.7	14.2	1.3	50.8
MD1908	bulk	56.35	9.8	0.21	0.7	199	1.3	0.06	3.7	95	2.5	32	2.7	10.5
MD1908	<32 µm	75	14.3	0.3	0.86	247	3.5	0.1	3.7	140	2.8	35.6	2.7	20.6
MD1908	63–125 µm	77	10	0.18	0.67	240	2	0.07	3.8	99.8	3.2	33.7	3	17.7
MOBi02_01	bulk	<3	357	0.68	0.49	0.05	7.2	0.23	1.3	51.2	76.7	18.9	1.6	30.2
MT8201	bulk	9.54	3.6	1.25	0.14	8.68	6.5	0.68	4.9	239	21.4	4.3	0.7	40.3
MT8202	dissolution residue	<3	493	0.09	0.08	0.91	0.6	0.01	0.9	23.5	22.3	5.5	0.3	10.2
MT8204	bulk	3.09	608	0.7	1.17	9.85	7.8	0.23	2.8	155	19.4	46.9	3.6	34.2
MT8302	bulk	3.73	37.1	0.8	1.18	2.15	6	0.31	2.3	174	5.1	40.8	4.9	73.1
MT8303	bulk	5.93	5.4	0.43	0.49	51.2	1	0.03	6	331	15.2	19.4	2	12.4

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Sn (ppm) IMS40B	Sr (ppm) IMS40B	Ta (ppm) IMS40B	Tb (ppm) IMS40B	Te (ppm) IMS40B	Th (ppm) IMS40B	Ti (%) IMS40B	U (ppm) IMS40B	V (ppm) IMS40B	W (ppm) IMS40B	Y (ppm) IMS40B	Yb (ppm) IMS40B	Zr (ppm) IMS40B
MT8801	bulk	<3	33.6	0.83	1.2	2.8	8.1	0.35	2.2	199	9	54.8	4.7	54.4
MT8805	bulk	<3	55	0.61	1.59	12.6	7.6	0.21	1.1	142	6.9	94.2	5.8	31.2
MT8806	bulk	<3	84.3	<0.05	0.06	1.16	<0.2	<0.01	0.6	13.9	6.2	5	0.3	1.4
MT8810	bulk	<3	826	0.71	0.51	0.19	3.6	0.35	0.6	180	104	15	1.5	22

2018														
Lower limit / Alsó határ		*3*	*0.5*	*0.05*	*0.05*	*0.05*	*0.2*	*0.01*	*0.1*	*1*	*0.1*	*0.5*	*0.1*	*0.5*
Upper limit / Felső határ		*1000*	*10000*	*10000*	*10000*	*500*	*10000*	*15*	*10000*	*10000*	*10000*	*10000*	*1000*	*10000*
A182002	bulk	<3.00	33.6	0.08	0.23	0.33	0.8	0.03	1.6	14	2	15	0.8	10.3
A182003	bulk	<3.00	146	0.88	0.05	0.15	0.3	<0.01	0.3	7.6	0.5	2.4	<0.1	2.7
A182004	bulk	<3.00	90.6	0.07	0.13	0.09	0.5	0.04	3.3	34.8	0.9	6.6	0.4	5.2
A182005	bulk	<3.00	83.2	<0.05	0.06	0.28	<0.2	<0.01	0.7	5.5	0.8	2.5	0.1	0.8
A182006	bulk	<3.00	59	<0.05	0.14	0.21	<0.2	<0.01	1.2	10.3	0.1	8.3	0.5	1.7
A182007	bulk	<3.00	44.6	<0.05	0.08	0.09	0.2	<0.01	1.5	6.5	0.2	3.3	0.2	1.8
A182008	bulk	<3.00	264	0.57	0.4	0.6	5.1	0.23	1.3	134	2.5	11.9	1.5	26.9
A182009	bulk	<3.00	134	0.1	0.12	1.06	0.9	0.05	1.3	34.9	8.5	4.1	0.3	14.2
A182010	bulk	<3.00	46.5	0.79	0.91	1.17	9.4	0.29	1.7	82.6	8.1	31.4	2.4	61.7
A182011	bulk	<3.00	109	<0.05	0.23	0.22	0.5	0.01	1.1	13.7	0.6	18.3	0.7	3.6
A182012	bulk	<3.00	32.1	0.68	1.43	11.7	9.1	0.18	3.5	104	3.6	63.2	3.5	48.6
A182013	bulk	<3.00	11.6	0.11	0.21	0.94	2.1	0.05	0.7	64.4	2.7	5.5	0.5	11.6

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Sn (ppm) IMS40B	Sr (ppm) IMS40B	Ta (ppm) IMS40B	Tb (ppm) IMS40B	Te (ppm) IMS40B	Th (ppm) IMS40B	Ti (%) IMS40B	U (ppm) IMS40B	V (ppm) IMS40B	W (ppm) IMS40B	Y (ppm) IMS40B	Yb (ppm) IMS40B	Zr (ppm) IMS40B
A182014	bulk	25.17	64.6	0.27	0.67	23.2	3.8	0.12	5.4	126	3.2	28.5	2.2	38.7
A182015	bulk	<3.00	54.3	0.29	0.24	6.89	3.7	0.16	1.1	56.2	2.2	9.9	0.8	22.8
A182016	bulk	<3.00	36.6	0.15	0.27	2.54	2.9	0.09	1.2	33	7.1	10.7	0.8	22.2
A182032	bulk	<3.00	22.2	0.87	2.13	4.02	4.7	0.37	2.6	308	40.1	65.5	6.6	52.1
A182033	bulk	4.22	33.4	0.64	3.92	15.3	4.4	0.27	6.1	449	49.3	142	12	51.3
A182034	bulk	8.81	75.4	0.59	0.31	6.03	4.4	0.4	1.7	236	4.7	6.4	0.8	49.4
A182035	bulk	<3.00	9.3	0.42	0.7	1.61	3.1	0.18	2.9	279	3	19.1	2.1	43.3
A182036	bulk	<3.00	29.5	0.1	0.22	3.23	1.2	0.03	1	31.6	0.9	8.8	0.7	6.7
A182037	bulk	<3.00	49.6	<0.05	0.09	1.1	0.3	0.01	0.7	7.9	1.4	5.5	0.4	2.8
A182039	bulk	<3.00	58.1	0.57	0.47	7.32	7.8	0.22	2	92	3.6	10.2	1	43.3
A182040	bulk	<3.00	150	0.11	0.26	2.49	1.7	0.06	0.9	28.5	1.3	8.1	0.5	10.6
A182041	bulk	<3.00	184	0.08	0.18	1.76	1.2	0.04	0.8	22.6	13.9	7.9	0.6	8
A182042	bulk	<3.00	161	0.15	0.22	1.17	2	0.06	0.9	26.3	1	6.9	0.6	10.3
A182043	bulk	<3.00	62.6	0.14	0.15	14.4	2.3	0.07	0.6	31.1	5.9	2.9	0.3	17
A182044	bulk	<3.00	89.3	0.22	0.29	2.13	2.9	0.1	1.3	97.3	10.1	8.3	0.7	20.6
A182045	bulk	<3.00	124	0.19	0.32	3.06	3.3	0.09	1.5	37.3	3.4	8.3	0.6	17.5
A182046	bulk	<3.00	120	0.13	0.17	1.33	1.5	0.04	1.2	14.7	0.7	5.3	0.4	8.6
A182047	bulk	<3.00	89.4	0.18	0.15	1.88	2.5	0.07	1.4	21.2	1.3	5.7	0.6	14.9
A182048	bulk	<3.00	73.7	0.11	0.16	1.44	1.3	0.04	0.8	12.9	1.4	6.1	0.7	7.7
A182049	bulk	<3.00	51.7	0.27	0.19	1.99	2.4	0.07	1.3	20.2	1.9	5.5	0.5	17.3

Sample ID Alapminta	Analysed material / fraction Vizsgált anyag / frakció	Sn (ppm) IMS40B	Sr (ppm) IMS40B	Ta (ppm) IMS40B	Tb (ppm) IMS40B	Te (ppm) IMS40B	Th (ppm) IMS40B	Ti (%) IMS40B	U (ppm) IMS40B	V (ppm) IMS40B	W (ppm) IMS40B	Y (ppm) IMS40B	Yb (ppm) IMS40B	Zr (ppm) IMS40B
A182050	bulk	<3.00	97.5	0.13	0.15	0.97	1.4	0.04	0.8	14.6	1.1	5	0.4	12.4
A182051	bulk	<3.00	141	0.18	0.23	2.23	2.7	0.09	1.2	24.6	1	6.3	0.8	18.2
A182052	bulk	<3.00	99.8	0.26	0.2	3.33	3.5	0.1	1.5	31.4	1.4	6.1	0.8	20.2
A182053	bulk	<3.00	81.4	0.1	0.18	2	1.6	0.05	0.8	13.3	0.9	5.5	0.4	10.2
A182054	bulk	<3.00	83	0.21	0.2	7.15	2.8	0.07	1.1	34.8	1.4	5.9	0.5	15.5
A182055	bulk	<3.00	55.6	0.18	0.16	1.72	1.7	0.07	1.1	18.8	0.8	4.8	0.3	11.2
A182056	bulk	0.15	26.6	<0.05	0.4	2.97	1.6	<0.01	0.23	39.8	0.2	10.9	1.1	1.4
A182057	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182058	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182059	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182060	bulk	<3.0	481.3	0.06	0.09	0.16	1	0.03	2	23	0.6	4.4	0.4	9.4
A182061	bulk	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
A182062	bulk	<3.0	246.4	0.06	0.09	0.76	1.2	0.03	3	29	0.6	5.2	0.4	12.5

n.a. = no analytical result available; it does not mean zero or below detection.% = mass percent.

SGS methods: IMS40B = multi-element ICP-MS after multi-acid digestion; AAS42S = selected-element AAS following acid digestion (DIG40B); FAA303 = 30 g fire assay with AAS finish.
FAA505 company gold data (50 g fire assay with AAS finish, per source workbook notes) are listed separately in S1.

Different analytical methods and units are retained in separate columns. A numerical over-range follow-up result does not replace the original “>” value. Limits qualify their own study series only.

n.a. = nem áll rendelkezésre elemzési eredmény; nem jelent nullát vagy kimutatási határ alatti értéket. % = tömegszázalék.

SGS-módszerek: IMS40B = multielemes ICP-MS mérés többsavas feltárás után; AAS42S = kiválasztott elemek AAS-meghatározása savas feltárás (DIG40B) után; FAA303 = tűzi vizsgálat 30 g-os bemérésből, AAS-méréssel. A FAA505 vállalati aranyadatai (a forrástábla megjegyzése szerint 50 g-os tűzi vizsgálat, AAS-méréssel) külön, az S1-ben szerepelnek.

Az eltérő módszereket és mértékegységeket külön oszlopokban tartottuk meg. Az ismételt mérés számszerű eredménye nem helyettesíti az eredeti „>” értéket. A határértékek csak a saját vizsgálatsorozatukhoz tartoznak.