



DEPARTMENT TESTING LABORATORY  
**EUROTEST CONTROL EAD**

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Accredited laboratory for testing and calibration with  
Certificate of BSA No. 3 – / valid to 31.10.2011

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## TESTING

## REPORT

**No 4133 / 27.04.2010**

- 1** Waste materials (sulfide waste from rock masses ).....  
(name of the product -type, brand, kind etc.)
- 2** Contracting party „Balkan Mineral and Mining” EAD – the samples are presented by the client  
(Name and address of the Contracting Party , number and date of the sampling report )
- 3** Testing method: BDS ISO 10390/02; BDS EN 13657/02; BDS EN 12879/03; BDS EN 13137/03; .....  
ETC V3I1/7.1-3/85; BDS EN 12506/03; BDS EN 872/06; BDS EN ISO 10304-1/09; BDS EN 1484/01; .....  
BDS EN ISO 11885/09; BDS EN 1483/07- indexes according to item 7.1 from the report .....  
(name and number of standards or validated methods)
- 4** Date of specimens/samples receiving in the test laboratory with request incoming No 480/12.04.2010.....
- 5** Quantity of specimens tested:: 10 numbers – samples taken from rock masses (sulfide waste materials ) for .  
(factory number of specimens, sample quantity and their mass),  
preparation of **Report for Environmental Impact Assessment** of Investment proposal „Extraction and  
Processing of gold bearing ores” from deposit „Khan Krum”, area „Ada tepe”, Krumovgrad town .....  
(quantity of batches, Invoice number from import production date)
- 6** Date/period of testing performance: from 12.04.201. till 27.04.2010 .....

**MANAGER**  
**OF DEPARTMENT TESTING LABORATORY** .....  
J. Akrabova

## 7. TEST RESULTS

### 7.1. Measurements in the accreditation scope

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		8.10 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		8.84 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		0.098 ± 0.010	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		<0.010	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.020 ± 0.002	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		0.034 ± 0.003	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.329 ± 0.033	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03	Sample No	0.098 ± 0.010	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03	292104,	<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09	lab. № 6547, from	<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03	rock masses	0.040 ± 0.004	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03	(sulfide wastes)	<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07		<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		2.22 ± 0.22	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		201.4 ± 20.1	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		4.3 ± 0.4	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		765 ± 23	60000	Standard
1.3	Dissolved Organic Carbon (DOC)	mg/kg	BDS EN 1484/01		119 ± 12	800	Standard
2	Wastes solid						
2.1	Chemical composition						
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		74 ± 7	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		167 ± 13	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		20 ± 2	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		88 ± 9	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		29 ± 3	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		58 ± 6	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		53 ± 5	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		4 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		16 ± 2	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		375 ± 30	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		12 ± 1	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)	%	BDS EN 13137/03		0.17 ± 0.02	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V31I/7.1-3/85		1.42 ± 0.07	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V31I/7.1-3/85		1.26 ± 0.06	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V31I/7.1-3/85		0.16 ± 0.01	-	Standard
2.2	LOI	%	BDS EN 12879/03		6.77 ± 0.34	-	Standard

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		7.96 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		8.73 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		<0.010	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.026 ± 0.003	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		<0.030	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.299 ± 0.030	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		0.555 ± 0.056	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03		<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09		<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03		0.036 ± 0.004	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03		<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07		<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		2.71 ± 0.27	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		433.7 ± 43.4	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		11.7 ± 1.2	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		1124 ± 34	60000	Standard
1.3	Dissolved Organic Carbon (DOC)	mg/kg	BDS EN 1484/01		118 ± 12	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		54 ± 5	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		246 ± 20	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		18 ± 2	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		145 ± 12	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		20 ± 2	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		50 ± 5	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		230 ± 18	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		6 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		15 ± 2	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		370 ± 30	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		17 ± 2	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)	%	BDS EN 13137/03		0.09 ± 0.01	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V3I1/7.1-3/85		1.08 ± 0.05	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V3I1/7.1-3/85		0.79 ± 0.04	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V3I1/7.1-3/85		0.29 ± 0.02	-	Standard
2.2	LOI	%	BDS EN 12879/03		5.94 ± 0.30	-	Standard

Sample No  
292107,  
lab. № 6550, from  
rock masses  
(sulfide wastes)

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		7.95 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		8.81 ± 0.10	-	Standard
1	Eluate (10 l/kg)						
1.1	Chemical composition						
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		0.104 ± 0.010	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		0.032 ± 0.003	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.030 ± 0.003	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		0.044 ± 0.004	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.096 ± 0.010	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		0.10 ± 0.01	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		0.178 ± 0.018	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03		<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09		<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03		0.183 ± 0.018	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03		<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07		<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		2.98 ± 0.30	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		252.0 ± 25.2	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		12.2 ± 1.2	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		842 ± 25	60000	Standard
1.3	Dissolved Organic Carbon (DOC)	mg/kg	BDS EN 1484/01		110 ± 11	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		114 ± 9	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		545 ± 27	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		27 ± 3	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		172 ± 14	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		31 ± 3	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		72 ± 7	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		324 ± 26	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		5 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		26 ± 3	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		280 ± 22	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		13 ± 1	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)	%	BDS EN 13137/03		0.25 ± 0.03	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V3I1/7.1-3/85		1.46 ± 0.07	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V3I1/7.1-3/85		1.34 ± 0.07	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V3I1/7.1-3/85		0.12 ± 0.01	-	Standard
2.2	LOI	%	BDS EN 12879/03		7.33 ± 0.37	-	Standard

Sample No  
292125,  
lab No 6568, from  
rock masses  
(sulfide wastes)

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		7.51 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		8.16 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		0.011 ± 0.001	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.031 ± 0.003	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		<0.030	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.104 ± 0.010	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		0.486 ± 0.049	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03	Sample No 92126,	<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09	lab No 6569, from	<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03	rock masses	0.096 ± 0.010	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03	(sulfide wastes)	<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07		<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		2.94 ± 0.29	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		1175.4 ± 58.8	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		17.3 ± 1.7	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		2280 ± 68	60000	Standard
1.3	Dissolved Organic Carbon (DOC)	mg/kg	BDS EN 1484/01		183 ± 18	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		137 ± 11	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		166 ± 13	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		26 ± 3	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		105 ± 8	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		40 ± 4	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		81 ± 8	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		467 ± 37	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		5 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		22 ± 2	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		355 ± 28	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		15 ± 2	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)	%	BDS EN 13137/03		0.13 ± 0.01	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V3I1/7.1-3/85		1.25 ± 0.06	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V3I1/7.1-3/85		0.82 ± 0.04	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V3I1/7.1-3/85		0.43 ± 0.02	-	Standard
2.2	LOI	%	BDS EN 12879/03		9.46 ± 0.47	-	Standard

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		7.20 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		7.47 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		0.052 ± 0.005	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		0.234 ± 0.023	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.086 ± 0.009	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		0.054 ± 0.005	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.187 ± 0.019	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		<0.050	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03		0.032 ± 0.003	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09	Sample No 92136,	<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03	lab No 6579 from	0.405 ± 0.041	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03	rock masses	<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07	(sulfide wastes)	<0.10	0.2	Standard
1.1.14	Fluorides /F <sup>-</sup> /	mg/kg	BDS EN ISO 10304-1/09		4.46 ± 0.45	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		25.6 ± 2.6	20000	Standard
1.1.16	Chlorides /Cl <sup>-</sup> /	mg/kg	BDS EN ISO 10304-1/09		11.3 ± 1.1	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		279 ± 8	60000	Standard
1.3	Dissolved Organic Carbon (DOC)_	mg/kg	BDS EN 1484/01		134 ± 13	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		67 ± 7	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		180 ± 14	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		7 ± 1	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		52 ± 5	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		29 ± 3	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		60 ± 6	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		100 ± 8	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		4 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		20 ± 2	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		315 ± 25	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		12 ± 1	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)_	%	BDS EN 13137/03		0.02 ± 0.01	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V311/7.1-3/85		0.03 ± 0.01	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V311/7.1-3/85		<0.10	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V311/7.1-3/85		-	-	Standard
2.2	LOI	%	BDS EN 12879/03		3.13 ± 0.31	-	Standard

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		7.89 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		8.78 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		0.010 ± 0.001	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		<0.010	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.021 ± 0.002	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		<0.030	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.228 ± 0.023	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		0.401 ± 0.040	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03		<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09	Sample No 92138, lab No 6581 from rock masses (sulfide wastes)	<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03		0.082 ± 0.008	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03		<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07		<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		2.20 ± 0.22	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		484.2 ± 48.4	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		6.7 ± 0.7	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		1221 ± 37	60000	Standard
1.3	Dissolved Organic Carbon (DOC)_	mg/kg	BDS EN 1484/01		<50	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		105 ± 8	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		194 ± 16	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		21 ± 2	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		75 ± 8	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		42 ± 4	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		72 ± 7	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		506 ± 25	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		7 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		21 ± 2	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		305 ± 24	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		12 ± 1	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)_	%	BDS EN 13137/03		0.10 ± 0.01	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V311/7.1-3/85		1.30 ± 0.06	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V311/7.1-3/85		0.89 ± 0.45	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V311/7.1-3/85		0.41 ± 0.02	-	Standard
2.2	LOI	%	BDS EN 12879/03		7.57 ± 0.38	-	Standard

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		7.59 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		8.21 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		0.021 ± 0.002	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		<0.010	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.042 ± 0.004	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		0.039 ± 0.004	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.624 ± 0.062	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		0.061 ± 0.006	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03		<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09	Sample No 92142,	<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03	lab No 6585 from	0.012 ± 0.001	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03	rock masses	<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07	(sulfide wastes)	<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		5.04 ± 0.50	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		113.8 ± 11.4	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		15.3 ± 1.5	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		792 ± 24	60000	Standard
1.3	Dissolved Organic Carbon (DOC)	mg/kg	BDS EN 1484/01		122 ± 12	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		118 ± 9	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		189 ± 15	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		23 ± 2	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		67 ± 7	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		26 ± 3	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		56 ± 6	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		152 ± 12	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		3 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		26 ± 3	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		369 ± 30	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		12 ± 1	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)	%	BDS EN 13137/03		0.11 ± 0.01	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V311/7.1-3/85		0.54 ± 0.03	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V311/7.1-3/85		0.29 ± 0.01	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V311/7.1-3/85		0.25 ± 0.01	-	Standard
2.2	LOI	%	BDS EN 12879/03		4.38 ± 0.44	-	Standard



No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		7.51 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		8.50 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		0.024 ± 0.002	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		<0.010	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.072 ± 0.007	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		0.038 ± 0.004	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.426 ± 0.043	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		0.291 ± 0.029	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03		<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09	Sample No 92151,	<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03	lab No 6594from	0.122 ± 0.012	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03	rock masses	<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07	(sulfide wastes)	<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		1.92 ± 0.19	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		671.0 ± 53.7	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		8.0 ± 0.8	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		1478 ± 44	60000	Standard
1.3	Dissolved Organic Carbon (DOC)	mg/kg	BDS EN 1484/01		148 ± 15	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		110 ± 9	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		360 ± 29	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		25 ± 3	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		172 ± 14	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		30 ± 3	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		75 ± 8	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		352 ± 28	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		4 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		27 ± 3	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		388 ± 31	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		11 ± 1	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)	%	BDS EN 13137/03		0.05 ± 0.01	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V311/7.1-3/85		1.32 ± 0.07	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V311/7.1-3/85		1.17 ± 0.06	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V311/7.1-3/85		0.15 ± 0.01	-	Standard
2.2	LOI	%	BDS EN 12879/03		6.48 ± 0.32	-	Standard

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Waste						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		7.48 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		8.48 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		<0.010	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		0.021 ± 0.002	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		0.042 ± 0.004	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		0.055 ± 0.006	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		0.093 ± 0.009	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03		<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09	Sample No 92163,	0.050 ± 0.005	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03	lab No 6606 from	0.011 ± 0.001	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03	rock masses	<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07	(sulfide wastes)	<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		1.80 ± 0.18	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		125.5 ± 12.6	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		7.5 ± 0.8	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		612 ± 18	60000	Standard
1.3	Dissolved Organic Carbon (DOC)	mg/kg	BDS EN 1484/01		97 ± 10	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		70 ± 7	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		140 ± 11	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		18 ± 2	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		60 ± 6	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		29 ± 3	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		42 ± 4	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		382 ± 31	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		3 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		20 ± 2	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		256 ± 20	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		11 ± 1	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)	%	BDS EN 13137/03		0.27 ± 0.03	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V311/7.1-3/85		0.53 ± 0.02	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V311/7.1-3/85		0.20 ± 0.01	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V311/7.1-3/85		0.33 ± 0.02	-	Standard
2.2	LOI	%	BDS EN 12879/03		3.53 ± 0.35	-	Standard

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
I	Wastes						
-	Active reaction /pH/ of eluate (10 l/kg)	pH units	BDS EN 12506/03		6.68 ± 0.10	-	Standard
-	Active reaction /pH/ of solid waste	pH units	BDS ISO 10390/02		6.41 ± 0.10	-	Standard
1	Eluate (10 l/kg)						Standard
1.1	Chemical composition						Standard
1.1.1	Vanadium /V/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.2	Chromium /Cr/	mg/kg	BDS EN 12506/03		<0.010	10	Standard
1.1.3	Cobalt /Co/	mg/kg	BDS EN 12506/03		<0.010	-	Standard
1.1.4	Nickel /Ni/	mg/kg	BDS EN 12506/03		<0.020	10	Standard
1.1.5	Copper /Cu/	mg/kg	BDS EN 12506/03		<0.030	50	Standard
1.1.6	Zinc /Zn/	mg/kg	BDS EN 12506/03		<0.010	50	Standard
1.1.7	Arsenic /As/	mg/kg	BDS EN 12506/03		<0.10	2	Standard
1.1.8	Molybdenum /Mo/	mg/kg	BDS EN 12506/03		<0.050	10	Standard
1.1.9	Cadmium /Cd/	mg/kg	BDS EN 12506/03		<0.010	1	Standard
1.1.10	Antimony /Sb/	mg/kg	BDS EN ISO 11885/09	Sample No 92177,	<0.050	0.7	Standard
1.1.11	Barium /Ba/	mg/kg	BDS EN 12506/03	lab No 6620 from	0.183 ± 0.018	100	Standard
1.1.12	Lead /Pb/	mg/kg	BDS EN 12506/03	rock masses	<0.10	10	Standard
1.1.13	Mercury /Hg/	mg/kg	BDS EN 1483/07	(sulfide wastes)	<0.10	0.2	Standard
1.1.14	Fluorides /F/	mg/kg	BDS EN ISO 10304-1/09		2.39 ± 0.24	150	Standard
1.1.15	Sulfates /SO <sub>4</sub> <sup>2-</sup> /	mg/kg	BDS EN ISO 10304-1/09		53.6 ± 5.4	20000	Standard
1.1.16	Chlorides /Cl/	mg/kg	BDS EN ISO 10304-1/09		11.2 ± 1.1	15000	Standard
1.2	Total Dissolved Substances (TDS)	mg/kg	BDS EN 872/06		220 ± 7	60000	Standard
1.3	Dissolved Organic Carbon (DOC)	mg/kg	BDS EN 1484/01		104 ± 10	800	Standard
2	Wastes solid						Standard
2.1	Chemical composition						Standard
2.1.1	Vanadium /V/	mg/kg	BDS EN 13657/02		89 ± 9	-	Standard
2.1.2	Chromium /Cr/	mg/kg	BDS EN 13657/02		172 ± 14	-	Standard
2.1.3	Cobalt /Co/	mg/kg	BDS EN 13657/02		12 ± 1	-	Standard
2.1.4	Nickel /Ni/	mg/kg	BDS EN 13657/02		42 ± 4	-	Standard
2.1.5	Copper /Cu/	mg/kg	BDS EN 13657/02		36 ± 4	-	Standard
2.1.6	Zinc /Zn/	mg/kg	BDS EN 13657/02		40 ± 4	-	Standard
2.1.7	Arsenic /As/	mg/kg	BDS EN 13657/02		96 ± 9	-	Standard
2.1.8	Molybdenum /Mo/	mg/kg	BDS EN 13657/02		3 ± 1	-	Standard
2.1.9	Cadmium /Cd/	mg/kg	BDS EN 13657/02		1.0 ± 0.1	-	Standard
2.1.10	Antimony /Sb/	mg/kg	BDS EN 13657/02		17 ± 2	-	Standard
2.1.11	Barium /Ba/	mg/kg	BDS EN 13657/02		453 ± 36	-	Standard
2.1.12	Lead /Pb/	mg/kg	BDS EN 13657/02		14 ± 1	-	Standard
2.1.13	Carbon /as total organic C/ (TOC)	%	BDS EN 13137/03		0.02 ± 0.01	-	Standard
2.1.14	Sulfur /as total S/	%	ETC V311/7.1-3/85		<0.005	-	Standard
-	Sulfide sulfur /S <sup>2-</sup> /	%	ETC V311/7.1-3/85		<0.10	-	Standard
-	Sulfate sulfur /SO <sub>4</sub> <sup>2-</sup> /	%	ETC V311/7.1-3/85		-	-	Standard
2.2	LOI	%	BDS EN 12879/03		2.95 ± 0.30	-	Standard

### 7.3. Tests / Measurements out of the accreditation scope

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values acc T 4 of Ord 8/2004 of MEW	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6547, from rock masses (sulfide wastes )	<0.10	0.5	Standard
1	2	3	4	5	6	7	8
						Limited values acc Table 4 of Ord 8/2004 of ME W	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6550, from rock masses (sulfide wastes )	<0.10	0.5	Standard
1	2	3	4	5	6	7	8
						Limited values acc Table 4 of Ord 8/2004 of ME W	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6568, from rock masses (sulfide wastes )	<0.10	0.5	Standard
1	2	3	4	5	6	7	8
						Limited values acc Table 4 of Ord 8/2004 of MEW	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6569 from rock masses (sulfide wastes )	<0.10	0.5	Standard
1	2	3	4	5	6	7	8
						Limited values acc Table 4 of Ord 8/2004 of MEW	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6579, from rock masses (sulfide wastes )	<0.10	0.5	Standard
1	2	3	4	5	6	7	8
						Limited values acc Table 4 of Ord 8/2004 of MEW	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6581 from rock masses (sulfide wastes )	<0.10	0.5	Standard
1	2	3	4	5	6	7	8
						Limited values acc Table 4 of Ord 8/2004 of MEW	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6585, from rock masses (sulfide wastes )	<0.10	0.5	Standard

No.	Index name	Unit	Standards / validated methods	No. sample - journal	Test results (value, uncertainty)	Value and limit of index	Conditions of test
1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6594, from rock masses (sulfide wastes )	<0.10	0.5	Standard

1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6606, from rock masses (sulfide wastes )	<0.10	0.5	Standard

1	2	3	4	5	6	7	8
						Limited values according Table 4 of Ordinance 8/2004 of Ministry of Environment and Water	
1	Selenium /Se/ in eluate (10 l/kg)	mg/kg	BDS EN ISO 11885/09	Sample, lab. No 6620, from rock masses (sulfide wastes )	<0.10	0.5	Standard

NOTE 1: If it is necessary the testing report could include opinions and interpretation for definite tests (conclusions are not allowed) only in accordance with the requirements of item .5.10.5 from BDS EN ISO/IEC 17025.

NOTE 2: Test results are related only to the testing samples. Extracts from the testing report are nor allowed to be printed without written agreement of the laboratory for testing.

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