



ДИРЕКЦИЯ ИЗПИТВАТЕЛНА ЛАБОРАТОРИЯ

КЪМ ЕВРОТЕСТ-КОНТРОЛ ЕАД

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Отдел „Елементарен състав“

Протокол № 6.1-015/27.01.2010 г.

Company: „Balkan Mineral end Mining“ EAD

Object: geotechnical samples with content of Au < 0.3 g/t

Type and number of samples: sulfide waste – 81 numbers

Requisition: вх. № 2080 / 22.12.2009 г.

Results from Chemical Analyses

Lab. №	Sample №	Borehole №	Interval: from m to m	S _{total} %	S _{sulfide} %	C inorganic %	Acid Potential (AP) expressed as H ⁺ mol/kg	Neutralization Potential (NP) expressed as H ⁺ mol/kg	Net Neutralization Potential (NNP) expressed as H ⁺ mol/kg	Neutralization Potential Ratio NP (NPR= —) AP
6544	292101	ATDD009	10.0÷13.0	<0.005	<0.10	1.53	-	-	-	*
6545	292102	ATDD009	79÷82	1.14	0.58	1.69	0.363	4.009	3.646	11.04
6546	292103	ATDD010	15÷18	<0.005	<0.10	1.97	-	-	-	*
6547	292104	ATDD010	72÷75	1.42	1.26	1.20	0.788	2.161	1.373	2.74
6548	292105	ATDD071	38÷41	1.10	0.65	1.47	0.406	2.843	2.437	7.00
6549	292106	ATDD050	11÷12.4	0.35	0.10	0.37	-	-	-	*
6550	292107	ATDD050	76÷78.5	1.08	0.79	1.09	0.494	2.029	1.535	4.11
6551	292108	ATDD042	71.5÷74	0.57	0.44	1.47	0.275	1.777	1.502	6.46
6552	292109	ATDD047	31÷33.4	1.14	0.87	1.58	0.544	3.002	2.458	5.51
6553	292110	ATDD047	107÷111	1.07	0.77	1.75	0.481	2.930	2.449	6.09
6554	292111	ATDD006	111÷113	0.77	0.50	1.04	0.313	2.016	1.703	6.44
6555	292112	ATDD037	16÷18.8	<0.005	<0.10	0.05	-	-	-	*
6556	292113	ATDD037	133÷135	0.86	0.64	1.75	0.400	2.601	2.201	6.50
6557	292114	ATDD041	31÷33.5	<0.005	<0.10		-	-	-	*
6558	292115	ATDD041	131÷134	1.26	0.75	3.17	0.469	5.040	4.571	10.75
6559	292116	ATDD005	36÷39	0.60	0.26	1.09	0.163	1.401	1.238	8.60
6560	292117	ATDD061	13.2÷14.2	1.02	0.78	0.33	0.488	0.775	0.287	1.59
Lab.	Sample	Borehole	Interval:	S _{total}	S _{sulfide}	C	Acid Potential (AP) expressed as	Neutralization Potential (NP)	Net Neutralization Potential (NNP)	Neutralization Potential Ratio

№	№	№	from m to m	%	%	inorganic %	H ⁺ mol/kg	expressed as H ⁺ mol/kg	expressed as H ⁺ mol/kg	NP (NPR= —) AP
6561	292118	ATDD061	52÷53	1.56	1.34	1.09	0.838	3.120	2.282	3.72
6562	292119	ATDD087	4÷5.5	<0.005	<0.10		-	-	-	*
6563	292120	ATDD087	80÷82.2	1.85	1.54	1.69	0.963	3.753	2.790	3.90
6564	292121	ATDD033	6.0÷9.0	<0.005	<0.10		-	-	-	*
6565	292122	ATDD033	107.4÷110	0.86	0.67	1.42	0.419	2.471	2.052	5.90
6566	292123	AT1060	8.7÷11.7	<0.005	<0.10		-	-	-	*
6567	292124	AT1060	127.9÷131.3	1.30	0.77	2.95	0.481	6.187	5.706	12.86
6568	292125	ATDD001	86÷88.2	1.46	1.34	1.20	0.838	2.333	1.495	2.78
6569	292126	ATDT203	113÷118	1.25	0.82	1.42	0.513	2.898	2.385	5.65
6570	292127	ATDD039	29÷33	<0.005	<0.10		-	-	-	*
6571	292128	ATDD039	129÷133	0.38	0.29	3.60	0.181	7.099	6.918	39.22
6572	292129	ATDD040	10.0÷13.0	<0.005	<0.10		-	-	-	*
6573	292130	ATDD040	130÷134	0.61	0.54	2.51	0.338	5.389	5.051	15.94
6574	292131	ATDD038	33÷36	<0.005	<0.10		-	-	-	*
6575	292132	ATDD038	132÷137	1.32	0.96	1.64	0.600	3.071	2.471	5.12
6576	292133	AT1038	4.7÷7.7	<0.005	<0.10		-	-	-	*
6577	292134	AT1038	86.9÷90.9	0.02	<0.10	3.49	-	-	-	*
6578	292135	ATDT176	83÷85	0.85	0.56	2.62	0.350	4.647	4.297	13.28
6579	292136	ATDD101	15÷16.5	0.03	<0.10		-	-	-	*
6580	292137	ATDD002	40÷42	0.03	<0.10	2.78	-	-	-	*
6581	292138	ATDD002	62÷64.5	1.30	0.89	0.87	0.556	2.004	1.448	3.60
6582	292139	ATDD021	5÷7.5	<0.005	<0.10		-	-	-	*
6583	292140	ATDD021	48÷50.5	1.27	0.79	1.26	0.494	2.442	1.948	4.94
6584	292141	ATDD080	5.0÷8.0	<0.005	<0.10		-	-	-	*
6585	292142	ATDD079	70.2÷73	0.54	0.29	0.27	0.181	0.355	0.174	1.96
6586	292143	ATDD079	133÷137	0.85	0.57	2.24	0.356	4.174	3.818	11.72
6587	292144	AT1023	6.1÷10.6	<0.005	<0.10		-	-	-	*
6588	292145	ATDD086	64÷66.5	1.04	0.81	1.09	0.506	1.699	1.193	3.36
6589	292146	AT1070	59.4÷63.4	<0.005	<0.10		-	-	-	*
6590	292147	AT1070	123.8÷125.6	0.22	0.20	2.62	0.125	4.564	4.439	36.51
6591	292148	ATDD043	40.4÷43	0.02	<0.10		-	-	-	*
6592	292149	ATDD028	11.0÷14.0	<0.005	<0.10		-	-	-	*
6593	292150	ATDD028	102÷104	0.69	0.48	3.60	0.300	5.935	5.635	19.78
6594	292151	AT1030	60.7÷63	1.32	1.17	0.98	0.731	1.935	1.204	2.65
6595	292152	AT1067	8.8÷11.5	<0.005	<0.10		-	-	-	*
6596	292153	AT1067	74.4÷76.9	0.72	0.30	2.35	0.188	3.908	3.720	20.79
6597	292154	ATDD069	10.0÷13.0	<0.005	<0.10		-	-	-	*
6598	292155	ATDD069	92÷95	0.94	0.69	1.58	0.431	2.686	2.255	6.23
6599	292156	ATDD051	28÷29.5	0.02	<0.10		-	-	-	*

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6600	292157	ATDD024	5.0÷10.0	<0.005	<0.10		-	-	-	*
6601	292158	ATDD024	58.5÷61	0.010	<0.10		-	-	-	*
6602	292159	ATDD083	2.0÷3.5	<0.005	<0.10		-	-	-	*
6603	292160	ATDD058	11÷14.5	0.010	<0.10		-	-	-	*
6604	292161	ATDD026	73÷75.3	1.08	0.77	1.75	0.481	2.916	2.435	6.06
6605	292162	ATDD077	8÷10.2	<0.005	<0.10		-	-	-	*
6606	292163	ATDD077	64÷67	0.53	0.20	0.55	0.125	1.043	0.918	8.34
6607	292164	ATDD092	64÷67	<0.005	<0.10		-	-	-	*
6608	292165	AT1018	4.8÷7.7	<0.005	<0.10		-	-	-	*
6609	292166	AT1080	12.8÷15.8	<0.005	<0.10		-	-	-	*
6610	292167	ATDD016	10.0÷13.0	<0.005	<0.10		-	-	-	*
6611	292168	ATDD016	3.0÷6.0	1.64	1.12	3.55	0.700	6.595	5.895	9.42
6612	292169	AT1033	9.9÷12.7	<0.005	<0.10		-	-	-	*
6613	292170	AT1033	64.3÷67.7	0.02	<0.10		-	-	-	*
6614	292171	AT1020	20.8÷24.2	0.02	<0.10	0.22	-	-	-	*
6615	292172	ATDD085	17÷18.8	<0.005	<0.10		-	-	-	*
6616	292173	ATDD011	3÷5.8	0.02	<0.10		-	-	-	*
6617	292174	ATDD088	22÷25	<0.005	<0.10		-	-	-	*
6618	292175	ATDD013	6.0÷9.0	0.010	<0.10		-	-	-	*
6619	292176	ATDD013	53÷56.4	0.010	<0.10		-	-	-	*
6620	292177	ATDD018	3.0÷6.0	<0.005	<0.10		-	-	-	*
6621	292178	ATDD060	6÷7.6	<0.005	<0.10		-	-	-	*
6622	292179	ATDD060	41÷42.9	0.87	0.33	1.09	0.206	2.704	2.498	13.13
6623	292180	AT1037	6.7÷10.4	<0.005	<0.10		-	-	-	*
6624	292181	AT1037	61÷63.2	0.80	0.43	2.67	0.269	4.391	4.122	16.32

* if content of S_{sulfide} < 0.10 % , the samples are not with acid potential

Note. NPR < 1 - there is not enough potential capacity to neutralize all potentially released acidity.

NPR > 1 - there is potential capacity to neutralize all potentially released

Провели изпитването:.....

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