



BUREAU
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MINERAL LABORATORIES
Türkiye

<https://group.bureauveritas.com/markets-services/cr>

Acme Analitik Laboratuvar Hizmetleri Ltd.Sti
Samsun Karayolu, Bahçelievler Mahallesi Üçyol Sokak No: 27 Elmadag Ankara 06850 Turkey
PHONE +90 312 866 34 66

Client: **Kuyas Yatirim A.S.**
Yesilkoy Mah. Serbesti Cad. No: Bakirkoy
Istanbul Istanbul Turkey

Submitted By: Kuyas Yatirim A.S
Receiving Lab: Turkey-Ankara
Received: November 15, 2022
Analysis Start: December 07, 2022
Report Date: December 09, 2022
Page: 1 of 2

CERTIFICATE OF ANALYSIS

ANK22002124.1

CLIENT JOB INFORMATION

Project: none given
Shipment ID:
P.O. Number
Number of Samples: 7

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

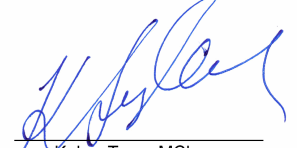
Invoice To: Kuyas Yatirim A.S.
Yesilkoy Mah. Serbesti Cad. No: Bakirkoy
Istanbul Istanbul
Turkey

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	7	Batch charge of <50 samples			ANK
PRP70-250	7	Crush, split and pulverize 250 g rock to 200 mesh			ANK
FA430	7	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	ANK
AQ300	7	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	ANK

ADDITIONAL COMMENTS


Kubra Tuna, MChem
Laboratory Manager - Ankara

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements. Bu rapor laboratuvarın vazili izni olmadan kismen veya tamamen kopvalanip coqaltilamaz.



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CERTIFICATE OF ANALYSIS

ANK22002124.1

	Method Analyte Unit MDL	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	8	2	1	0.5	3	3	1	0.01
Kuyas-A1	Rock	1.02	0.007	<1	20	17	17	0.4	19	11	5423	0.58	4	<8	<2	175	<0.5	<3	<3	11	15.10
Kuyas-A2	Rock	1.09	<0.005	<1	15	6	20	<0.3	17	7	1133	0.82	7	<8	<2	8	<0.5	<3	<3	5	0.31
Kuyas-A3	Rock	0.92	<0.005	<1	18	<3	11	<0.3	7	4	783	0.43	<2	<8	<2	6	<0.5	<3	<3	4	0.07
Kuyas-A4	Rock	1.55	<0.005	<1	7	6	79	<0.3	377	28	509	2.66	3	<8	5	42	<0.5	<3	<3	11	1.72
Kuyas-A5	Rock	1.00	0.007	3	26	7	32	0.4	30	20	4477	0.90	3	<8	4	34	<0.5	<3	<3	11	0.70
Kuyas-A6	Rock	1.18	<0.005	<1	7	9	31	<0.3	24	11	616	0.68	2	<8	2	5	<0.5	<3	<3	12	0.13
Kuyas-A7	Rock	1.28	<0.005	2	192	28	51	7.5	57	149	>10000	0.67	27	<8	13	466	<0.5	13	<3	47	0.28



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	Method Analyte Unit MDL	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Kuyas-A1	Rock	0.058	15	7	0.35	245	0.012	<20	0.33	<0.01	0.08	<2	0.17	<1	108	<5	<5
Kuyas-A2	Rock	0.024	8	5	0.19	62	0.013	<20	0.26	<0.01	0.09	<2	<0.05	<1	16	<5	<5
Kuyas-A3	Rock	0.010	2	4	0.12	57	0.007	<20	0.16	0.01	0.03	<2	<0.05	<1	11	<5	<5
Kuyas-A4	Rock	0.025	53	53	0.19	24	0.009	<20	0.38	0.05	0.19	<2	<0.05	<1	<5	6	<5
Kuyas-A5	Rock	0.021	18	9	0.35	263	0.006	<20	0.52	0.01	0.16	<2	<0.05	<1	98	<5	<5
Kuyas-A6	Rock	0.021	4	7	0.40	17	0.015	<20	0.52	0.02	0.17	<2	<0.05	<1	6	<5	<5
Kuyas-A7	Rock	0.009	32	22	0.12	2226	0.024	22	0.39	0.02	0.14	<2	<0.05	<1	>1000	<5	<5



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QUALITY CONTROL REPORT

ANK22002124.1

	Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	8	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
Kuyas-A2	Rock	1.09	<0.005	<1	15	6	20	<0.3	17	7	1133	0.82	7	<8	<2	8	<0.5	<3	<3	5	0.31
REP Kuyas-A2	QC			<1	15	6	20	<0.3	17	7	1133	0.82	7	<8	<2	8	<0.5	<3	<3	5	0.29
Reference Materials																					
STD OREAS153B	Standard			150	6327	13	118	1.4	11	15	242	3.60	78	<8	<2	32	0.6	3	<3	158	1.31
STD OREAS241	Standard		6.788																		
STD OREAS234	Standard		1.171																		
STD OREAS250B	Standard		0.326																		
STD OREAS600	Standard			2	463	155	607	24.0	15	7	690	2.19	86	<8	5	39	3.5	12	6	12	1.76
STD OREAS153B Expected				156	6700	12.4	118	1.43	11.1	14.9	240	3.6	80			31.4				153	1.32
STD OREAS600 Expected				488	157	598	24.3	15.4	6.69	680	2.22	85				38.4	3.5		6.09	12.9	1.76
STD OREAS241 Expected			6.91																		
STD OREAS234 Expected			1.2																		
STD OREAS250B Expected			0.332																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<8	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank		<0.005																		
Prep Wash																					
QUARTZ_ANK	Prep Blank		<0.005	1	22	<3	<1	<0.3	4	<1	32	0.48	<2	<8	<2	<1	<0.5	<3	<3	1	<0.01



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QUALITY CONTROL REPORT

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Method Analyte Unit MDL		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																	
Kuyas-A2	Rock	0.024	8	5	0.19	62	0.013	<20	0.26	<0.01	0.09	<2	<0.05	<1	16	<5	<5
REP Kuyas-A2	QC	0.024	8	5	0.19	63	0.013	<20	0.25	<0.01	0.09	<2	<0.05	<1	16	<5	<5
Reference Materials																	
STD OREAS153B	Standard	0.048	4	16	1.47	23	0.051	<20	2.28	0.15	0.37	3	1.28	<1	<5	8	10
STD OREAS241	Standard																
STD OREAS234	Standard																
STD OREAS250B	Standard																
STD OREAS600	Standard	0.049	18	24	0.33	328	0.002	<20	0.98	0.05	0.19	6	1.61	<1	<5	<5	<5
STD OREAS153B Expected		0.047	3.79		1.47	22.8	0.05		2.28	0.148	0.365		1.27			8.06	9.98
STD OREAS600 Expected		0.05	18.3	23.4	0.342				0.984	0.051	0.209		1.66				
STD OREAS241 Expected																	
STD OREAS234 Expected																	
STD OREAS250B Expected																	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank																
Prep Wash																	
QUARTZ_ANK	Prep Blank	0.002	<1	7	0.03	1	0.002	<20	0.04	<0.01	0.02	<2	<0.05	<1	<5	<5	<5