



ALS Laboratuvar Hizmetleri Ltd. Sti.
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To: KANAROGLU MAD. LTD. STI.- TIMUR SUTCU

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Finalized Date: 2- FEB- 2013
This copy reported on
14- FEB- 2013
Account: TIMSUT

CERTIFICATE IZ13015073

Project:

P.O. No.: TII 3- 0505

This report is for 2 Ore samples submitted to our lab in Izmir, IZMIR, Turkey on
26- JAN- 2013.

The following have access to data associated with this certificate:

TIMUR SUTCU

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
FGM- ICP24	Pl, Pd, Au 50g FA ICP	ICP- AES
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
Au- AA24	Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES

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ATTN: TIMUR SUTCU

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Huseyin Galan, Izmir Laboratory Manager



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CERTIFICATE OF ANALYSIS IZ13015073

Sample Description	Method Analyte Units LOR	WDI- 21 Recvd Wt. kg	Au- AA24 Au ppm	Au- GRA22 Au ppm	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
MASIF MAGNETIT		0.77	>10.0	45.9	12.1	0.14	<5	10	<0.5	<2	0.60	1.4	32	9	83	>50
BANTLI MAGNETIT		1.67	>10.0	158.0	41.3	0.51	10	40	2.5	<2	7.65	5.7	5	45	302	38.6

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Sample Description	Method Analyte Units LOR	ME- ICP61 Ga ppm	ME- ICP61 K %	ME- ICP61 La ppm	ME- ICP61 Mg %	ME- ICP61 Mn ppm	ME- ICP61 Mo ppm	ME- ICP61 Na %	ME- ICP61 Ni ppm	ME- ICP61 P ppm	ME- ICP61 Pb ppm	ME- ICP61 S %	ME- ICP61 Sb ppm	ME- ICP61 Sc ppm	ME- ICP61 Sr ppm	ME- ICP61 Th ppm
MASIF MAGNETIT		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01				
BANTLI MAGNETIT		20	0.03	370	0.43	438	<1	0.06	158	1110	1390	0.02	17	<1	11	<20
					2.21	828	1	0.77	149	>10000	3510	0.03	22	4	68	50

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CERTIFICATE OF ANALYSIS IZ13015073

Sample Description	Method Analyte Units LOR	ME- ICP61 Ti %	ME- ICP61 Ti ppm	ME- ICP61 U ppm	ME- ICP61 V ppm	ME- ICP61 W ppm	ME- ICP61 Zn ppm	PGM- ICP24 Au ppm	PGM- ICP24 Pt ppm	PGM- ICP24 Pd ppm	Au- GRA21 Au ppm
MASIF MAGNETIT		0.03	30	30	565	<10	63	>10.0	0.016	0.009	45.0
BANTLI MAGNETIT		0.13	20	10	945	<10	284	>10.0	0.019	0.022	159.5

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Method

CERTIFICATE COMMENTS

ME- ICP61

Uranium ICP- AES results reported below 500ppm are considered to be semi- quantitative due to interference when Ce > 500 ppm

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