



ALS Laboratuvar Hizmetleri Ltd. Sti.  
Fatih Mah. Ege Cad. No:7/8  
Sarnic / Gaziemir - Izmir IZMIR  
Phone: +90 232 281 7110 Fax: +90 232 281 7120  
www.alsglobal.com

To: KANAROGLU MAD. TIC. VE SAN. LTD. STI.  
GMK BULVARI CUMHURİYET MAH. NO:236/3  
YENİŞEHİR  
MERSİN

Page: 1  
Finalized Date: 20- MAY- 2013  
Account: KANMAD

**CERTIFICATE IZI3086705**

Project:

P.O. No.: T113-2867

This report is for 13 Drill Core samples submitted to our lab in Izmir, IZMİR, Turkey on 13- MAY- 2013.

The following have access to data associated with this certificate:

METİN KANAR

TIMUR SUTCU

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI- 21  | Received Sample Weight         |
| PUL- QC  | Pulverizing QC Test            |
| LOG- 22  | Sample login - Rcd w/o BarCode |
| CRU- 31  | Fine crushing - 70% <2mm       |
| SPL- 21  | Split sample - riffle splitter |
| PUL- 32  | Pulverize 1000g to 85% < 75 um |

**ANALYTICAL PROCEDURES**

| ALS CODE   | DESCRIPTION                   | INSTRUMENT |
|------------|-------------------------------|------------|
| PGM- ICP24 | Pt, Pd, Au 50g FA ICP         | ICP- AES   |
| Au- AA24   | Au 50g FA AA finish           | AAS        |
| ME- ICP61  | 33 element four acid ICP- AES | ICP- AES   |

To: KANAROGLU MAD. TIC. VE SAN. LTD. STI.  
ATTN: TIMUR SUTCU  
GMK BULVARI CUMHURİYET MAH. NO:236/3 YENİŞEHİR  
MERSİN

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:

Hüseyin Galan, Izmir Laboratory Manager

**CERTIFICATE OF ANALYSIS IZ13086705**

| Sample Description                | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA24<br>Au<br>ppm | ME-ICP61<br>Ag<br>ppm | ME-ICP61<br>Al<br>% | ME-ICP61<br>As<br>ppm | ME-ICP61<br>Ba<br>ppm | ME-ICP61<br>Be<br>ppm | ME-ICP61<br>Bi<br>ppm | ME-ICP61<br>Ca<br>% | ME-ICP61<br>Cd<br>ppm | ME-ICP61<br>Co<br>ppm | ME-ICP61<br>Cr<br>ppm | ME-ICP61<br>Cu<br>ppm | ME-ICP61<br>Fe<br>% | ME-ICP61<br>Ga<br>ppm |
|-----------------------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|
| SONDA 3 NUMUNE 99 72- 73 METRE    |                                   | 4.13                      | 0.008                | <0.5                  | 6.47                | <5                    | 290                   | 2.7                   | 6                     | 1.05                | <0.5                  | 19                    | 48                    | 6                     | 12.00               | 20                    |
| SONDA 3 NUMUNE 95 132- 133 METRE  |                                   | 4.84                      | 0.024                | 0.5                   | 2.01                | <5                    | 20                    | 2.0                   | <2                    | 1.44                | <0.5                  | 36                    | 1                     | <1                    | 45.7                | 10                    |
| SONDA 3 NUMUNE 88 144 METRE       |                                   | 3.50                      | <0.005               | <0.5                  | 7.29                | <5                    | 110                   | 4.0                   | 2                     | 3.24                | <0.5                  | 27                    | 60                    | 9                     | 8.08                | 20                    |
| SONDA 3 NUMUNE 167 155- 156 METRE |                                   | 2.75                      | 0.005                | <0.5                  | 5.94                | <5                    | <10                   | 3.3                   | 2                     | 0.95                | <0.5                  | 6                     | 22                    | 1                     | 4.41                | 30                    |
| SONDA 3 NUMUNE 170 181 METRE      |                                   | 1.16                      | <0.005               | <0.5                  | 6.11                | 6                     | 10                    | 2.3                   | <2                    | 2.51                | <0.5                  | 2                     | 17                    | 18                    | 1.87                | 20                    |
| SONDA 15 NUMUNE 345 136 METRE     |                                   | 3.93                      | <0.005               | <0.5                  | 5.99                | 10                    | 40                    | 2.3                   | 3                     | 1.34                | <0.5                  | 27                    | 38                    | 2                     | 19.75               | 20                    |
| SONDA 15 NUMUNE 358 195 METRE     |                                   | 1.52                      | 0.023                | <0.5                  | 6.32                | <5                    | 10                    | 3.9                   | <2                    | 1.79                | <0.5                  | 9                     | 21                    | 2                     | 2.46                | 20                    |
| SONDA 16 NUMUNE 413 95 METRE      |                                   | 3.10                      | <0.005               | <0.5                  | 5.19                | <5                    | <10                   | 3.8                   | <2                    | 4.13                | <0.5                  | 18                    | 22                    | 3                     | 7.48                | 20                    |
| SONDA 16 NUMUNE 421 111 METRE     |                                   | 1.71                      | <0.005               | <0.5                  | 6.04                | <5                    | 40                    | 2.0                   | <2                    | 0.14                | <0.5                  | 1                     | 22                    | 1                     | 0.98                | 20                    |
| SONDA 16 NUMUNE 422 112 METRE     |                                   | 1.93                      | <0.005               | <0.5                  | 6.15                | <5                    | 100                   | 5.5                   | <2                    | 0.24                | <0.5                  | 4                     | 33                    | 2                     | 2.60                | 20                    |
| DEFLAVI MİCSİNİN DERESİ           |                                   | 11.70                     | <0.005               | <0.5                  | 6.85                | <5                    | 10                    | 2.3                   | <2                    | 0.18                | <0.5                  | 8                     | 27                    | 10                    | 1.54                | 20                    |
| BARAJIN KARŞISI BANTCI DENİZ      |                                   | 15.37                     | <0.005               | <0.5                  | 2.36                | <5                    | <10                   | 6.4                   | 3                     | 4.37                | <0.5                  | 9                     | 11                    | 2                     | 28.1                | 30                    |
| KARAKTASIN ALTINDAKİ KAYALAR      |                                   | 3.80                      | <0.005               | <0.5                  | 6.04                | 7                     | 590                   | 3.3                   | <2                    | 0.61                | <0.5                  | 12                    | 14                    | 4                     | 4.02                | 20                    |

**CERTIFICATE OF ANALYSIS IZ13086705**

| Sample Description                | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>K<br>% | ME-ICP61<br>La<br>ppm | ME-ICP61<br>Mg<br>% | ME-ICP61<br>Mn<br>ppm | ME-ICP61<br>Mo<br>ppm | ME-ICP61<br>Na<br>% | ME-ICP61<br>Ni<br>ppm | ME-ICP61<br>P<br>ppm | ME-ICP61<br>Ph<br>ppm | ME-ICP61<br>S<br>% | ME-ICP61<br>Sb<br>ppm | ME-ICP61<br>Sc<br>ppm | ME-ICP61<br>Sr<br>ppm | ME-ICP61<br>Th<br>ppm | ME-ICP61<br>Ti<br>% |
|-----------------------------------|-----------------------------------|--------------------|-----------------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| SONDA 8 NUMUNE 69 72- 73 METRE    |                                   | 0.01               | 10                    | 0.01                | 5                     | 1                     | 0.01                | 1                     | 10                   | 2                     | 0.01               | 5                     | 1                     | 1                     | 20                    | 0.01                |
| SONDA 8 NUMUNE 85 132- 133 METRE  |                                   | 0.74               | 20                    | 3.67                | 853                   | <1                    | 3.27                | 26                    | 1140                 | 10                    | 0.01               | 5                     | 35                    | 38                    | <20                   | 1.56                |
| SONDA 8 NUMUNE 85 132- 133 METRE  |                                   | 0.11               | 20                    | 1.77                | 867                   | <1                    | 1.17                | 111                   | 30                   | 12                    | <0.01              | 8                     | 3                     | 15                    | <20                   | 0.06                |
| SONDA 8 NUMUNE 88 144 METRE       |                                   | 0.41               | 20                    | 4.18                | 1260                  | <1                    | 3.61                | 43                    | 1040                 | 5                     | 0.02               | <5                    | 31                    | 55                    | <20                   | 0.72                |
| SONDA 9 NUMUNE 162 135- 136 METRE |                                   | 0.03               | 10                    | 0.85                | 354                   | <1                    | 4.81                | 11                    | 360                  | 4                     | <0.01              | 5                     | 12                    | 15                    | 20                    | 0.14                |
| SONDA 9 NUMUNE 170 161 METRE      |                                   | 0.14               | 30                    | 0.46                | 312                   | <1                    | 4.66                | 6                     | 190                  | 5                     | 0.03               | <5                    | 6                     | 40                    | 20                    | 0.16                |
| SONDA 15 NUMUNE 345 126 METRE     |                                   | 0.16               | 110                   | 3.14                | 992                   | 2                     | 3.13                | 38                    | 2950                 | 8                     | 0.17               | 6                     | 21                    | 71                    | <20                   | 0.68                |
| SONDA 15 NUMUNE 368 195 METRE     |                                   | 0.04               | 20                    | 1.91                | 465                   | 1                     | 4.71                | 11                    | 10                   | 5                     | 0.01               | <5                    | 29                    | 26                    | <20                   | 0.17                |
| SONDA 16 NUMUNE 415 98 METRE      |                                   | 0.03               | 40                    | 3.13                | 1125                  | 1                     | 4.01                | 30                    | 30                   | 7                     | <0.01              | 5                     | 34                    | 28                    | 20                    | 0.29                |
| SONDA 16 NUMUNE 421 111 METRE     |                                   | 0.15               | 10                    | 0.19                | 72                    | <1                    | 4.86                | 4                     | 30                   | 4                     | <0.01              | <5                    | 4                     | 22                    | <20                   | 0.13                |
| SONDA 16 NUMUNE 422 112 METRE     |                                   | 0.48               | 80                    | 0.83                | 116                   | 1                     | 3.92                | 8                     | 100                  | 5                     | 0.01               | <5                    | 12                    | 30                    | 30                    | 0.55                |
| DELAVI MIGSININ DERESI            |                                   | 0.05               | 10                    | 1.40                | 124                   | <1                    | 4.92                | 18                    | 290                  | 6                     | 0.01               | <5                    | 8                     | 30                    | <20                   | 0.09                |
| BARAJIN KARSISI BANTICI DUMR.     |                                   | 0.03               | 230                   | 2.89                | 773                   | <1                    | 1.24                | 131                   | >10000               | 14                    | <0.01              | <5                    | 8                     | 33                    | 40                    | 0.16                |
| KARATASIN ALTINDAKI KAYACILAR     |                                   | 1.79               | 20                    | 0.96                | 457                   | 1                     | 2.47                | 9                     | 340                  | 4                     | 0.01               | 5                     | 11                    | 37                    | <20                   | 0.10                |



ALS Laboratuvar Hizmetleri Ltd. Sti.  
Fatih Mah. Ege Cad. No:7/B  
Sarnic / Gaziemir - Izmir IZMIR  
Phone: +90 232 281 7110 Fax: +90 232 281 7120  
www.alsglobal.com

To: KANAROGLU MAD. TIC. ve SAN. LTD. STI.  
GMK BULVARI CUMHURİYET MAH. NO:236/3  
YENİSEHIR  
MERSİN

Page: 2 - C  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 20- MAY- 2013  
Account: KANMAD

# CERTIFICATE OF ANALYSIS IZ13086705

| Sample Description                | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 | PGM-ICP24<br>Au<br>ppm<br>0.001 | PGM-ICP24<br>Pt<br>ppm<br>0.005 | PGM-ICP24<br>Pd<br>ppm<br>0.001 |
|-----------------------------------|-----------------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|---------------------------------|---------------------------------|---------------------------------|
| SONDA 8 NUMUNE 69 72- 73 METRE    |                                   | <10                         | <10                        | 332                       | <10                        | 34                         |                                 |                                 |                                 |
| SONDA 8 NUMUNE 85 132- 133 METRE  |                                   | <10                         | 20                         | 404                       | <10                        | 57                         |                                 |                                 |                                 |
| SONDA 8 NUMUNE 86 144 METRE       |                                   | <10                         | <10                        | 237                       | <10                        | 52                         |                                 |                                 |                                 |
| SONDA 9 NUMUNE 162 135- 136 METRE |                                   | <10                         | <10                        | 52                        | <10                        | 27                         |                                 |                                 |                                 |
| SONDA 9 NUMUNE 170 161 METRE      |                                   | <10                         | <10                        | 47                        | <10                        | 25                         |                                 |                                 |                                 |
| SONDA 15 NUMUNE 145 138 METRE     |                                   | <10                         | 10                         | 185                       | <10                        | 87                         |                                 |                                 |                                 |
| SONDA 15 NUMUNE 168 195 METRE     |                                   | <10                         | <10                        | 18                        | <10                        | 26                         |                                 |                                 |                                 |
| SONDA 15 NUMUNE 415 98 METRE      |                                   | <10                         | <10                        | 101                       | <10                        | 87                         |                                 |                                 |                                 |
| SONDA 15 NUMUNE 421 111 METRE     |                                   | <10                         | <10                        | 12                        | <10                        | 5                          |                                 |                                 |                                 |
| SONDA 15 NUMUNE 422 112 METRE     |                                   | <10                         | <10                        | 52                        | <10                        | 15                         |                                 |                                 |                                 |
| DELAVI MIGSININ DERESI            |                                   | <10                         | <10                        | 41                        | <10                        | 16                         | 0.001                           | <0.005                          | <0.001                          |
| BARAJIN KARSISI BANTISI DEMİR     |                                   | <10                         | 20                         | 703                       | <10                        | 150                        |                                 |                                 |                                 |
| KARATASIN ALTINDAKİ KAYALAR       |                                   | <10                         | <10                        | 54                        | <10                        | 21                         |                                 |                                 |                                 |





ALS Laboratuvar Hizmetleri Ltd. Sti.  
Fatih Mah. Ege Cad. No:7/8  
Sarnic / Gaziemir - Izmir IZMIR  
Phone: +90 232 281 7110 Fax: +90 232 281 7120  
www.alsglobal.com

To: KANAROGLU MAD. TIC. VE SAN. LTD. STI.  
GMK BULVARI CUMHURİYET MAH. NO:236/3  
YENİSEHIR  
MERSİN

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 20- MAY- 2013  
Account: KANMAD

**CERTIFICATE OF ANALYSIS IZ13086705**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Izmir located at Fatih Mah. Ege Cad. No:7/8, Sarnic / Gaziemir - Izmir, IZMIR, Turkey.  
Au- AA24 CRU- 31 LOG- 22  
PUL- 32 PUL- QC SPL- 21

ME- ICP61  
WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
PGM- ICP24