



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **SILVER RANGE RESOURCES LTD.**

**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

**1016-510 W HASTINGS ST  
VANCOUVER BC V6B 1L8**

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Finalized Date: 31-AUG-2012

Account: RANSIL

**CERTIFICATE WH12190095**

Project: KEG (Main - Group 2)

P.O. No.: Batch 70

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14-AUG-2012.

The following have access to data associated with this certificate:

MATT DUMALA

JOAN MARIACHER

HEATHER SMITH

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                        |
|----------|------------------------------------|
| WEI-21   | Received Sample Weight             |
| LOG-22   | Sample login - Rcd w/o BarCode     |
| CRU-31   | Fine crushing - 70% <2mm           |
| CRU-QC   | Crushing QC Test                   |
| SPL-21   | Split sample - riffle splitter     |
| PUL-QC   | Pulverizing QC Test                |
| PUL-31   | Pulverize split to 85% <75 um      |
| LOG-22d  | Sample login - Rcd w/o BarCode dup |
| SPL-21d  | Split sample - duplicate           |
| PUL-31d  | Pulverize Split - duplicate        |
| LOG-23   | Pulp Login - Rcd with Barcode      |

**ANALYTICAL PROCEDURES**

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| Au-AA24  | Au 50g FA AA finish            | AAS        |
| ME-OG62  | Ore Grade Elements - Four Acid | ICP-AES    |
| Sn-XRF05 | Sn-Trace Level XRF Analysis    | XRF        |
| ME-MS61  | 48 element four acid ICP-MS    |            |
| Zn-OG62  | Ore Grade Zn - Four Acid       | VARIABLE   |

To: **SILVER RANGE RESOURCES LTD.**  
**ATTN: JOAN MARIACHER**  
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
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**VANCOUVER BC V6B 1L8**

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:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A  
Total # Pages: 2 (A - D)  
Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12190095**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA24<br>Au<br>ppm | Sn-XRF05<br>Sn<br>ppm | ME-MS61<br>Ag<br>ppm | ME-MS61<br>Al<br>% | ME-MS61<br>As<br>ppm | ME-MS61<br>Ba<br>ppm | ME-MS61<br>Be<br>ppm | ME-MS61<br>Bi<br>ppm | ME-MS61<br>Ca<br>% | ME-MS61<br>Cd<br>ppm | ME-MS61<br>Ce<br>ppm | ME-MS61<br>Co<br>ppm | ME-MS61<br>Cr<br>ppm | ME-MS61<br>Cs<br>ppm |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|----------------------|--------------------|----------------------|----------------------|----------------------|----------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                    |                                   | 0.02                      | 0.005                | 5                     | 0.01                 | 0.01               | 0.2                  | 10                   | 0.05                 | 0.01                 | 0.01               | 0.02                 | 0.01                 | 0.1                  | 1                    | 0.05                 |
| K285305            |                                   | 6.37                      | <0.005               | 79                    | 0.95                 | 4.46               | 822                  | 1040                 | 1.12                 | 0.13                 | 5.98               | 0.21                 | 48.7                 | 7.5                  | 61                   | 5.66                 |
| K285306            |                                   | 6.52                      | <0.005               | 80                    | 2.33                 | 4.99               | 542                  | 850                  | 1.43                 | 0.47                 | 4.83               | 2.32                 | 54.9                 | 10.0                 | 70                   | 5.64                 |
| K285307            |                                   | 2.43                      | <0.005               | 33                    | 5.45                 | 5.56               | 129.5                | 740                  | 1.82                 | 1.10                 | 4.31               | 6.51                 | 74.4                 | 12.3                 | 133                  | 7.05                 |
| K285308            |                                   | 3.76                      | <0.005               | <5                    | 0.02                 | 0.09               | 5                    | 30                   | 0.08                 | 0.02                 | 20.9               | 0.07                 | 1.36                 | 1.4                  | <1                   | 0.25                 |
| K285309            |                                   | 4.81                      | <0.005               | 35                    | 0.33                 | 4.84               | 91.0                 | 610                  | 1.58                 | 0.06                 | 4.50               | 0.07                 | 57.8                 | 9.5                  | 80                   | 6.54                 |
| K285310            |                                   | 6.38                      | <0.005               | 40                    | 0.54                 | 4.18               | 284                  | 720                  | 1.42                 | 0.09                 | 8.52               | 0.26                 | 45.8                 | 7.5                  | 53                   | 5.17                 |
| K285311            |                                   | 6.93                      | <0.005               | 302                   | 0.46                 | 3.94               | 125.0                | 550                  | 1.02                 | 0.08                 | 6.35               | 0.13                 | 47.2                 | 5.9                  | 43                   | 4.13                 |
| K285312            |                                   | 7.30                      | <0.005               | 72                    | 0.77                 | 4.54               | 300                  | 660                  | 1.36                 | 0.16                 | 5.40               | 2.18                 | 48.0                 | 6.0                  | 49                   | 5.07                 |
| K285313            |                                   | 3.40                      | <0.005               | 80                    | 0.71                 | 4.43               | 211                  | 650                  | 1.36                 | 0.13                 | 5.59               | 0.34                 | 49.8                 | 6.4                  | 54                   | 5.07                 |
| K285314            |                                   | 6.12                      | <0.005               | 44                    | 0.67                 | 4.24               | 316                  | 590                  | 1.19                 | 0.13                 | 5.22               | 1.18                 | 54.1                 | 6.6                  | 50                   | 5.47                 |
| K285315            |                                   | 6.43                      | <0.005               | 47                    | 1.04                 | 4.11               | 62.7                 | 760                  | 1.03                 | 0.21                 | 5.36               | 25.5                 | 49.6                 | 7.1                  | 50                   | 8.16                 |
| K285316            |                                   | 4.90                      | <0.005               | 17                    | 1.97                 | 5.04               | 34.5                 | 470                  | 1.43                 | 0.20                 | 5.58               | 3.63                 | 47.3                 | 6.2                  | 51                   | 15.70                |
| K285317            |                                   | 5.35                      | <0.005               | 9                     | 1.47                 | 4.62               | 68.4                 | 510                  | 1.25                 | 0.21                 | 6.49               | 5.03                 | 51.3                 | 6.9                  | 51                   | 6.52                 |
| K285318            |                                   | 7.50                      | <0.005               | 27                    | 1.24                 | 5.05               | 25.9                 | 630                  | 1.52                 | 0.21                 | 4.94               | 1.98                 | 56.2                 | 7.2                  | 65                   | 4.69                 |
| K285319            |                                   | 7.67                      | <0.005               | 91                    | 3.54                 | 3.95               | 65.4                 | 810                  | 1.13                 | 0.18                 | 7.31               | 7.92                 | 45.8                 | 5.5                  | 52                   | 4.41                 |
| K285320            |                                   | 6.29                      | 0.005                | 70                    | 1.13                 | 4.29               | 207                  | 890                  | 1.06                 | 0.13                 | 5.57               | 1.21                 | 47.0                 | 8.9                  | 58                   | 5.01                 |
| K285321            |                                   | 0.26                      | 0.024                | 275                   | 22.2                 | 3.83               | 1030                 | 360                  | 1.07                 | 87.6                 | 8.24               | 303                  | 42.1                 | 12.4                 | 49                   | 4.94                 |
| K285322            |                                   | 7.07                      | <0.005               | 147                   | 0.72                 | 4.18               | 316                  | 900                  | 1.17                 | 0.12                 | 4.17               | <0.5                 | 43.0                 | 6.8                  | 42                   | 5.39                 |
| K285323            |                                   | 6.64                      | <0.005               | 71                    | 0.79                 | 4.80               | 140.5                | 850                  | 1.51                 | 0.11                 | 4.78               | 1.06                 | 55.3                 | 6.5                  | 47                   | 5.24                 |
| K285324            |                                   | 5.62                      | <0.005               | 15                    | 0.60                 | 5.02               | 83.7                 | 910                  | 1.62                 | 0.22                 | 2.21               | 1.05                 | 48.5                 | 8.3                  | 58                   | 12.65                |
| K285325            |                                   | <0.02                     | <0.005               | 16                    | 0.62                 | 4.99               | 78.0                 | 910                  | 1.58                 | 0.21                 | 2.18               | 1.14                 | 48.9                 | 8.2                  | 59                   | 12.55                |
| K285326            |                                   | 7.15                      | <0.005               | 8                     | 0.51                 | 5.56               | 189.0                | 730                  | 1.96                 | 0.16                 | 2.01               | 0.21                 | 52.9                 | 9.9                  | 61                   | 13.05                |
| K285327            |                                   | 7.00                      | <0.005               | 14                    | 0.42                 | 6.92               | 585                  | 830                  | 2.02                 | 0.16                 | 1.87               | 0.67                 | 66.8                 | 12.5                 | 74                   | 12.75                |
| K285328            |                                   | 7.69                      | <0.005               | 24                    | 0.27                 | 6.77               | 81.1                 | 700                  | 1.14                 | 0.08                 | 1.09               | 12.25                | 121.5                | 7.3                  | 35                   | 9.08                 |
| K285329            |                                   | 7.16                      | <0.005               | 10                    | 0.28                 | 7.22               | 19.9                 | 1090                 | 1.89                 | 0.15                 | 1.51               | 0.42                 | 76.9                 | 9.1                  | 72                   | 17.35                |
| K285330            |                                   | 7.06                      | <0.005               | 8                     | 0.20                 | 7.33               | 26.6                 | 1110                 | 2.07                 | 0.19                 | 1.10               | 0.46                 | 80.8                 | 10.4                 | 74                   | 20.5                 |
| K285331            |                                   | 0.26                      | 0.005                | 170                   | 13.85                | 4.12               | 122.0                | 1470                 | 1.16                 | 50.7                 | 7.92               | 58.7                 | 45.2                 | 6.4                  | 63                   | 5.85                 |
| K285332            |                                   | 7.27                      | <0.005               | 17                    | 0.33                 | 7.48               | 73.6                 | 1960                 | 2.08                 | 0.22                 | 0.71               | 1.68                 | 78.5                 | 10.6                 | 74                   | 16.85                |
| K285333            |                                   | 6.68                      | <0.005               | 30                    | 0.19                 | 6.69               | 375                  | 1530                 | 1.85                 | 0.08                 | 1.18               | 0.62                 | 69.1                 | 9.1                  | 61                   | 12.40                |
| K285334            |                                   | 7.12                      | <0.005               | 5                     | 0.23                 | 6.04               | 10.4                 | 660                  | 1.68                 | 0.09                 | 1.31               | 0.67                 | 72.5                 | 8.7                  | 62                   | 14.95                |
| K285335            |                                   | 7.63                      | 0.005                | 6                     | 0.44                 | 7.17               | 10.0                 | 1690                 | 2.16                 | 0.30                 | 0.76               | 4.47                 | 74.0                 | 9.7                  | 75                   | 17.40                |
| K285336            |                                   | 7.28                      | 0.007                | 6                     | 0.82                 | 7.40               | 20.3                 | 1550                 | 2.26                 | 0.45                 | 0.67               | 4.75                 | 81.8                 | 11.5                 | 77                   | 15.30                |
| K285337            |                                   | 7.32                      | <0.005               | 7                     | 0.31                 | 6.89               | 7.8                  | 1200                 | 1.98                 | 0.20                 | 0.97               | 1.32                 | 77.1                 | 9.2                  | 67                   | 16.50                |
| K285338            |                                   | 2.48                      | <0.005               | <5                    | 0.01                 | 0.14               | <5                   | 50                   | 0.08                 | 0.03                 | 20.4               | 0.07                 | 1.25                 | 1.5                  | 1                    | 0.37                 |
| K285339            |                                   | 7.50                      | <0.005               | 5                     | 0.30                 | 5.89               | 8.3                  | 790                  | 1.61                 | 0.14                 | 1.27               | 1.11                 | 68.9                 | 7.6                  | 58                   | 15.00                |
| K285340            |                                   | 7.21                      | <0.005               | <5                    | 0.26                 | 7.55               | 14.3                 | 1030                 | 2.06                 | 0.25                 | 1.00               | 0.63                 | 84.6                 | 10.7                 | 75                   | 20.2                 |



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| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                    |                                   | Cu      | Fe      | Ga      | Ge      | Hf      | In      | K       | La      | Li      | Mg      | Mn      | Mo      | Na      | Nb      |
|                    |                                   | ppm     | %       | ppm     | ppm     | ppm     | ppm     | %       | ppm     | ppm     | %       | ppm     | ppm     | %       | ppm     |
|                    |                                   | 0.2     | 0.01    | 0.05    | 0.05    | 0.1     | 0.005   | 0.01    | 0.5     | 0.2     | 0.01    | 5       | 0.05    | 0.01    | 0.1     |
| K285305            |                                   | 57.3    | 1.60    | 11.95   | 0.17    | 2.0     | 0.023   | 4.04    | 24.9    | 22.8    | 2.12    | 520     | 2.40    | 0.27    | 9.3     |
| K285306            |                                   | 97.6    | 2.23    | 12.95   | 0.22    | 2.2     | 0.052   | 3.46    | 28.1    | 28.7    | 2.38    | 355     | 2.35    | 0.34    | 10.8    |
| K285307            |                                   | 79.7    | 2.14    | 14.65   | 0.30    | 2.5     | 0.132   | 3.70    | 39.3    | 33.4    | 2.34    | 262     | 5.27    | 0.54    | 11.7    |
| K285308            |                                   | 2.1     | 0.47    | 0.39    | 0.22    | <0.1    | 0.006   | 0.04    | 0.7     | 1.3     | 12.55   | 218     | 0.25    | 0.01    | 0.6     |
| K285309            |                                   | 56.7    | 1.71    | 12.60   | 0.20    | 2.1     | 0.012   | 3.19    | 30.0    | 37.9    | 2.35    | 269     | 3.24    | 0.55    | 9.5     |
| K285310            |                                   | 59.1    | 2.17    | 10.75   | 0.18    | 1.8     | 0.020   | 2.97    | 24.4    | 19.0    | 2.82    | 460     | 2.29    | 0.34    | 8.5     |
| K285311            |                                   | 51.6    | 1.79    | 10.20   | 0.15    | 1.8     | 0.035   | 3.36    | 24.3    | 15.3    | 3.23    | 472     | 1.86    | 0.29    | 8.5     |
| K285312            |                                   | 66.9    | 2.03    | 12.55   | 0.18    | 2.0     | 0.068   | 3.56    | 24.8    | 18.3    | 3.26    | 458     | 1.86    | 0.46    | 9.6     |
| K285313            |                                   | 69.4    | 2.07    | 12.45   | 0.21    | 2.0     | 0.034   | 3.61    | 25.7    | 18.0    | 3.35    | 482     | 2.24    | 0.43    | 9.5     |
| K285314            |                                   | 63.0    | 1.81    | 11.05   | 0.20    | 1.8     | 0.040   | 2.97    | 26.9    | 24.3    | 2.28    | 322     | 1.80    | 0.50    | 8.4     |
| K285315            |                                   | 90.1    | 2.20    | 11.95   | 0.23    | 1.8     | 0.562   | 3.00    | 25.3    | 31.7    | 2.40    | 370     | 1.78    | 0.15    | 8.3     |
| K285316            |                                   | 37.7    | 1.45    | 12.90   | 0.25    | 1.9     | 0.069   | 2.29    | 23.9    | 16.4    | 2.26    | 288     | 1.89    | 0.17    | 8.8     |
| K285317            |                                   | 48.9    | 1.97    | 12.15   | 0.23    | 2.2     | 0.112   | 2.58    | 25.9    | 20.1    | 2.73    | 395     | 2.19    | 0.57    | 9.3     |
| K285318            |                                   | 64.2    | 2.03    | 13.75   | 0.25    | 2.3     | 0.060   | 2.99    | 28.7    | 17.1    | 2.48    | 291     | 2.13    | 0.73    | 11.1    |
| K285319            |                                   | 77.3    | 2.22    | 10.35   | 0.20    | 1.9     | 0.169   | 3.36    | 24.2    | 22.1    | 3.47    | 518     | 1.50    | 0.26    | 8.8     |
| K285320            |                                   | 140.0   | 3.44    | 11.30   | 0.25    | 1.9     | 0.091   | 3.45    | 24.4    | 38.5    | 2.74    | 439     | 2.75    | 0.24    | 9.2     |
| K285321            |                                   | 1850    | 5.74    | 12.55   | 0.36    | 1.3     | 23.1    | 1.40    | 23.3    | 25.8    | 2.07    | 2650    | 16.45   | 0.16    | 8.6     |
| K285322            |                                   | 127.0   | 2.60    | 11.20   | 0.20    | 1.9     | 0.039   | 3.53    | 21.1    | 23.7    | 2.31    | 354     | 0.89    | 0.26    | 9.3     |
| K285323            |                                   | 116.5   | 2.58    | 13.60   | 0.21    | 2.2     | 0.039   | 3.31    | 27.0    | 38.8    | 2.90    | 408     | 0.79    | 0.36    | 10.9    |
| K285324            |                                   | 60.3    | 2.07    | 14.40   | 0.20    | 1.9     | 0.024   | 2.62    | 26.5    | 43.1    | 1.21    | 125     | 13.00   | 0.21    | 9.6     |
| K285325            |                                   | 61.0    | 2.02    | 14.20   | 0.21    | 1.9     | 0.025   | 2.62    | 26.5    | 42.2    | 1.19    | 120     | 13.05   | 0.21    | 9.6     |
| K285326            |                                   | 60.8    | 2.18    | 14.65   | 0.21    | 1.9     | 0.009   | 2.88    | 30.3    | 55.7    | 1.08    | 68      | 21.0    | 0.20    | 10.5    |
| K285327            |                                   | 53.4    | 2.19    | 19.95   | 0.22    | 2.5     | 0.031   | 3.70    | 35.9    | 41.6    | 1.03    | 69      | 6.09    | 0.18    | 13.5    |
| K285328            |                                   | 40.3    | 1.48    | 18.45   | 0.24    | 1.6     | 0.048   | 3.96    | 61.3    | 31.4    | 0.48    | 34      | 1.74    | 0.14    | 15.9    |
| K285329            |                                   | 33.9    | 2.67    | 21.9    | 0.22    | 2.6     | 0.040   | 3.36    | 40.5    | 66.9    | 1.22    | 110     | 2.13    | 0.25    | 15.4    |
| K285330            |                                   | 38.8    | 3.41    | 21.8    | 0.24    | 2.6     | 0.047   | 3.14    | 43.5    | 61.2    | 1.30    | 156     | 1.93    | 0.46    | 14.5    |
| K285331            |                                   | 749     | 3.27    | 12.40   | 0.27    | 1.6     | 2.35    | 1.83    | 24.6    | 31.6    | 2.14    | 1680    | 15.45   | 0.21    | 9.7     |
| K285332            |                                   | 36.6    | 2.99    | 22.0    | 0.22    | 2.5     | 0.056   | 3.74    | 41.9    | 53.9    | 1.22    | 110     | 1.97    | 0.41    | 14.6    |
| K285333            |                                   | 26.5    | 1.83    | 18.65   | 0.18    | 2.4     | 0.028   | 3.89    | 35.9    | 48.1    | 1.11    | 72      | 1.27    | 0.54    | 13.8    |
| K285334            |                                   | 29.4    | 2.76    | 16.80   | 0.20    | 2.4     | 0.030   | 2.03    | 37.9    | 56.2    | 1.30    | 161     | 1.35    | 0.67    | 11.6    |
| K285335            |                                   | 39.5    | 3.05    | 21.7    | 0.22    | 2.6     | 0.083   | 3.18    | 39.0    | 55.2    | 1.24    | 161     | 2.83    | 0.47    | 14.3    |
| K285336            |                                   | 55.8    | 3.50    | 21.8    | 0.24    | 2.6     | 0.080   | 3.21    | 43.7    | 53.9    | 1.19    | 154     | 3.52    | 0.43    | 14.6    |
| K285337            |                                   | 30.3    | 2.79    | 19.45   | 0.21    | 2.5     | 0.045   | 2.74    | 41.1    | 54.1    | 1.20    | 173     | 1.90    | 0.60    | 13.4    |
| K285338            |                                   | 1.7     | 0.47    | 0.51    | 0.20    | <0.1    | 0.005   | 0.07    | 0.6     | 1.4     | 12.25   | 207     | 0.22    | 0.01    | 0.4     |
| K285339            |                                   | 26.9    | 2.61    | 15.75   | 0.22    | 2.4     | 0.036   | 2.00    | 36.0    | 52.9    | 1.19    | 177     | 1.42    | 0.67    | 11.0    |
| K285340            |                                   | 37.2    | 3.17    | 21.1    | 0.23    | 2.7     | 0.049   | 3.22    | 44.9    | 52.3    | 1.30    | 192     | 2.06    | 0.52    | 14.4    |



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| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61   | ME-MS61    | ME-MS61    | ME-MS61      | ME-MS61   | ME-MS61     | ME-MS61    | ME-MS61  | ME-MS61    | ME-MS61    | ME-MS61     | ME-MS61     | ME-MS61    | ME-MS61    |
|--------------------|-----------------------------------|-----------|------------|------------|--------------|-----------|-------------|------------|----------|------------|------------|-------------|-------------|------------|------------|
|                    |                                   | P         | Pb         | Rb         | Re           | S         | Sb          | Sc         | Se       | Sn         | Sr         | Ta          | Te          | Th         | Ti         |
|                    |                                   | ppm<br>10 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.002 | %<br>0.01 | ppm<br>0.05 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.2 | ppm<br>0.2 | ppm<br>0.05 | ppm<br>0.05 | ppm<br>0.2 | %<br>0.005 |
| K285305            |                                   | 840       | 56.4       | 211        | 0.013        | 0.67      | 3.61        | 10.5       | 8        | 72.4       | 223        | 0.67        | 0.12        | 7.9        | 0.285      |
| K285306            |                                   | 990       | 374        | 186.0      | 0.016        | 1.13      | 6.96        | 12.3       | 17       | 76.2       | 276        | 0.76        | 0.11        | 8.8        | 0.326      |
| K285307            |                                   | 2710      | 1165       | 202        | 0.060        | 0.96      | 9.62        | 14.5       | 30       | 31.8       | 351        | 0.85        | 0.29        | 9.4        | 0.351      |
| K285308            |                                   | 190       | 2.5        | 2.4        | <0.002       | 0.01      | <0.05       | 0.4        | 1        | 0.2        | 45.2       | <0.05       | <0.05       | <0.2       | 0.005      |
| K285309            |                                   | 1570      | 15.8       | 176.0      | 0.030        | 0.62      | 4.84        | 11.1       | 7        | 34.6       | 323        | 0.74        | <0.05       | 8.2        | 0.310      |
| K285310            |                                   | 890       | 25.3       | 141.0      | 0.013        | 0.80      | 4.12        | 9.1        | 8        | 35.8       | 261        | 0.61        | <0.05       | 7.1        | 0.276      |
| K285311            |                                   | 690       | 19.0       | 159.0      | 0.006        | 0.60      | 2.59        | 9.8        | 7        | 35.2       | 225        | 0.60        | <0.05       | 7.4        | 0.261      |
| K285312            |                                   | 650       | 56.3       | 170.0      | 0.005        | 0.80      | 3.10        | 10.9       | 9        | 53.4       | 226        | 0.68        | 0.08        | 8.3        | 0.293      |
| K285313            |                                   | 690       | 54.7       | 173.0      | 0.007        | 0.79      | 3.12        | 11.2       | 8        | 57.6       | 236        | 0.68        | 0.06        | 8.2        | 0.292      |
| K285314            |                                   | 960       | 21.9       | 149.0      | 0.014        | 0.76      | 4.03        | 9.2        | 9        | 40.8       | 266        | 0.61        | 0.05        | 7.4        | 0.261      |
| K285315            |                                   | 940       | 137.5      | 155.0      | 0.014        | 1.19      | 14.25       | 8.8        | 19       | 37.8       | 216        | 0.62        | 0.05        | 7.2        | 0.257      |
| K285316            |                                   | 900       | 319        | 115.0      | 0.016        | 0.42      | 8.85        | 9.0        | 21       | 16.2       | 195.5      | 0.64        | 0.11        | 7.3        | 0.264      |
| K285317            |                                   | 970       | 279        | 126.5      | 0.011        | 0.66      | 44.5        | 9.8        | 19       | 12.3       | 299        | 0.67        | 0.08        | 8.2        | 0.277      |
| K285318            |                                   | 920       | 193.0      | 148.5      | 0.021        | 0.89      | 5.78        | 11.6       | 14       | 25.7       | 311        | 0.77        | 0.08        | 9.0        | 0.327      |
| K285319            |                                   | 870       | 528        | 162.5      | 0.010        | 0.72      | 16.85       | 9.3        | 17       | 75.2       | 321        | 0.63        | 0.13        | 7.3        | 0.275      |
| K285320            |                                   | 880       | 82.7       | 171.0      | 0.017        | 2.16      | 9.28        | 9.3        | 21       | 68.5       | 329        | 0.64        | 0.08        | 7.5        | 0.282      |
| K285321            |                                   | 850       | 1515       | 71.2       | 0.020        | 2.76      | 8.51        | 7.4        | 59       | 227        | 164.0      | 0.60        | 0.47        | 6.4        | 0.262      |
| K285322            |                                   | 570       | 25.7       | 170.5      | 0.005        | 1.32      | 31.3        | 8.3        | 12       | 115.0      | 259        | 0.66        | 0.07        | 7.3        | 0.283      |
| K285323            |                                   | 640       | 18.0       | 164.5      | 0.005        | 1.05      | 30.0        | 10.1       | 11       | 74.2       | 212        | 0.77        | 0.05        | 8.7        | 0.324      |
| K285324            |                                   | 770       | 30.6       | 152.5      | 0.014        | 0.97      | 9.44        | 10.7       | 15       | 13.6       | 345        | 0.66        | 0.08        | 8.4        | 0.260      |
| K285325            |                                   | 750       | 28.5       | 153.5      | 0.015        | 0.94      | 9.50        | 10.7       | 15       | 14.2       | 343        | 0.66        | 0.08        | 8.4        | 0.257      |
| K285326            |                                   | 540       | 8.7        | 186.0      | 0.026        | 1.28      | 33.7        | 12.2       | 10       | 6.4        | 255        | 0.70        | 0.10        | 9.1        | 0.267      |
| K285327            |                                   | 780       | 13.4       | 216        | 0.010        | 1.29      | 13.90       | 13.8       | 11       | 11.7       | 139.5      | 0.89        | 0.15        | 12.9       | 0.333      |
| K285328            |                                   | 920       | 8.8        | 214        | 0.003        | 0.89      | 6.70        | 8.4        | 5        | 15.2       | 135.0      | 1.02        | <0.05       | 19.8       | 0.307      |
| K285329            |                                   | 660       | 7.1        | 200        | 0.004        | 0.97      | 4.10        | 14.4       | 7        | 6.8        | 109.0      | 1.02        | 0.06        | 14.8       | 0.355      |
| K285330            |                                   | 820       | 5.9        | 202        | 0.004        | 1.04      | 3.85        | 14.4       | 5        | 6.7        | 86.8       | 1.00        | 0.05        | 15.4       | 0.351      |
| K285331            |                                   | 1110      | 1030       | 97.5       | 0.017        | 0.97      | 8.11        | 9.0        | 29       | 145.0      | 207        | 0.66        | 0.24        | 7.6        | 0.279      |
| K285332            |                                   | 760       | 8.7        | 208        | 0.005        | 1.02      | 3.68        | 14.2       | 5        | 9.4        | 114.5      | 0.99        | 0.05        | 14.1       | 0.353      |
| K285333            |                                   | 580       | 8.6        | 204        | 0.003        | 0.82      | 5.07        | 12.2       | 4        | 22.0       | 177.5      | 0.92        | 0.06        | 13.9       | 0.321      |
| K285334            |                                   | 550       | 6.9        | 141.5      | 0.002        | 0.76      | 2.46        | 11.1       | 4        | 2.3        | 145.0      | 0.79        | <0.05       | 13.0       | 0.277      |
| K285335            |                                   | 660       | 8.9        | 149.5      | 0.005        | 0.86      | 6.38        | 13.8       | 6        | 2.8        | 85.3       | 0.95        | 0.06        | 13.5       | 0.345      |
| K285336            |                                   | 980       | 11.8       | 155.5      | 0.009        | 1.20      | 8.16        | 14.4       | 8        | 2.9        | 76.5       | 1.00        | 0.08        | 14.3       | 0.350      |
| K285337            |                                   | 580       | 7.4        | 152.5      | 0.003        | 0.62      | 4.76        | 13.1       | 4        | 2.4        | 132.5      | 0.92        | 0.05        | 14.2       | 0.324      |
| K285338            |                                   | 200       | 1.5        | 3.4        | <0.002       | 0.01      | 0.05        | 0.4        | 1        | <0.2       | 43.9       | <0.05       | <0.05       | <0.2       | 0.006      |
| K285339            |                                   | 530       | 6.4        | 125.0      | 0.003        | 0.46      | 3.18        | 10.4       | 3        | 2.0        | 135.5      | 0.80        | <0.05       | 12.7       | 0.277      |
| K285340            |                                   | 700       | 7.2        | 168.0      | 0.004        | 0.64      | 4.05        | 13.9       | 4        | 3.1        | 142.0      | 1.02        | 0.05        | 15.3       | 0.368      |



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 Plus Appendix Pages  
 Finalized Date: 31-AUG-2012  
 Account: RANSIL

Project: KEG (Main - Group 2)

**CERTIFICATE OF ANALYSIS WH12190095**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61<br>U<br>ppm<br>0.1 | ME-MS61<br>V<br>ppm<br>1 | ME-MS61<br>W<br>ppm<br>0.1 | ME-MS61<br>Y<br>ppm<br>0.1 | ME-MS61<br>Zn<br>ppm<br>2 | ME-MS61<br>Zr<br>ppm<br>0.5 | Zn-OG62<br>Zn<br>%<br>0.001 |
|--------------------|-----------------------------------|----------------------------|--------------------------|----------------------------|----------------------------|---------------------------|-----------------------------|-----------------------------|
| K285305            |                                   | 3.3                        | 79                       | 2.8                        | 28.3                       | 77                        | 72.7                        |                             |
| K285306            |                                   | 3.6                        | 90                       | 1.4                        | 32.2                       | 264                       | 82.7                        |                             |
| K285307            |                                   | 7.4                        | 180                      | 1.7                        | 46.5                       | 501                       | 91.6                        |                             |
| K285308            |                                   | 0.5                        | 2                        | 0.1                        | 0.9                        | 15                        | 0.6                         |                             |
| K285309            |                                   | 4.3                        | 111                      | 1.4                        | 33.7                       | 54                        | 74.4                        |                             |
| K285310            |                                   | 3.1                        | 75                       | 1.4                        | 26.7                       | 53                        | 68.8                        |                             |
| K285311            |                                   | 2.6                        | 62                       | 1.1                        | 26.7                       | 65                        | 66.1                        |                             |
| K285312            |                                   | 2.7                        | 72                       | 1.2                        | 27.2                       | 182                       | 72.6                        |                             |
| K285313            |                                   | 2.8                        | 75                       | 1.2                        | 28.2                       | 48                        | 74.4                        |                             |
| K285314            |                                   | 3.3                        | 71                       | 1.2                        | 30.4                       | 110                       | 65.6                        |                             |
| K285315            |                                   | 3.1                        | 71                       | 1.2                        | 27.7                       | 1760                      | 66.3                        |                             |
| K285316            |                                   | 3.1                        | 72                       | 1.0                        | 25.7                       | 260                       | 71.7                        |                             |
| K285317            |                                   | 3.1                        | 70                       | 1.4                        | 28.9                       | 375                       | 79.0                        |                             |
| K285318            |                                   | 3.5                        | 85                       | 1.3                        | 31.3                       | 155                       | 86.2                        |                             |
| K285319            |                                   | 3.0                        | 67                       | 1.0                        | 27.2                       | 568                       | 68.8                        |                             |
| K285320            |                                   | 3.2                        | 75                       | 1.3                        | 25.5                       | 106                       | 68.9                        |                             |
| K285321            |                                   | 3.6                        | 104                      | 5.2                        | 24.2                       | >10000                    | 43.9                        | 1.410                       |
| K285322            |                                   | 2.4                        | 54                       | 1.4                        | 23.1                       | 57                        | 67.2                        |                             |
| K285323            |                                   | 2.5                        | 62                       | 1.4                        | 27.9                       | 100                       | 76.5                        |                             |
| K285324            |                                   | 4.9                        | 257                      | 1.5                        | 20.6                       | 85                        | 71.8                        |                             |
| K285325            |                                   | 4.8                        | 254                      | 1.5                        | 20.4                       | 91                        | 69.3                        |                             |
| K285326            |                                   | 6.4                        | 266                      | 1.9                        | 26.8                       | 20                        | 69.3                        |                             |
| K285327            |                                   | 4.7                        | 238                      | 2.1                        | 22.1                       | 70                        | 90.0                        |                             |
| K285328            |                                   | 3.2                        | 109                      | 1.7                        | 16.8                       | 791                       | 54.2                        |                             |
| K285329            |                                   | 3.7                        | 194                      | 1.8                        | 22.5                       | 62                        | 92.9                        |                             |
| K285330            |                                   | 3.7                        | 186                      | 1.6                        | 24.5                       | 85                        | 94.9                        |                             |
| K285331            |                                   | 4.1                        | 130                      | 2.7                        | 29.1                       | 3000                      | 57.7                        |                             |
| K285332            |                                   | 3.7                        | 209                      | 1.5                        | 23.8                       | 174                       | 90.5                        |                             |
| K285333            |                                   | 3.3                        | 148                      | 1.7                        | 20.3                       | 70                        | 86.6                        |                             |
| K285334            |                                   | 3.1                        | 124                      | 1.1                        | 20.0                       | 94                        | 86.3                        |                             |
| K285335            |                                   | 3.9                        | 227                      | 1.4                        | 22.0                       | 411                       | 91.2                        |                             |
| K285336            |                                   | 4.5                        | 260                      | 1.4                        | 28.7                       | 429                       | 91.7                        |                             |
| K285337            |                                   | 3.5                        | 174                      | 1.3                        | 21.4                       | 154                       | 88.1                        |                             |
| K285338            |                                   | 0.6                        | 5                        | 0.1                        | 1.0                        | 15                        | 0.8                         |                             |
| K285339            |                                   | 3.1                        | 134                      | 1.1                        | 19.7                       | 137                       | 81.6                        |                             |
| K285340            |                                   | 3.8                        | 203                      | 1.4                        | 23.1                       | 113                       | 93.2                        |                             |



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**CERTIFICATE OF ANALYSIS WH12190095**

| Method             | CERTIFICATE COMMENTS   |
|--------------------|--|
| ME-MS61<br>ME-MS61 | Interference: Ca>10% on ICP-MS As,ICP-AES results shown.<br>REE's may not be totally soluble in this method. |