



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: 11-SEP-2012  
Account: RANSIL

**CERTIFICATE WH12202885**

Project: KEG (MAIN-GROUP 2)

P.O. No.: Batch 86

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-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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Total # Pages: 2 (A - D)  
Plus Appendix Pages  
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Project: KEG (MAIN-GROUP 2)

**CERTIFICATE OF ANALYSIS WH12202885**

| 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                 |
| K285593            |                                   | 7.07                      | <0.005               | 12                    | 0.51                 | 4.25               | 17.4                 | 910                  | 1.97                 | 1.09                 | 1.22               | 0.82                 | 40.8                 | 9.9                  | 62                   | 10.10                |
| K285594            |                                   | 7.10                      | <0.005               | 17                    | 0.64                 | 4.20               | 12.7                 | 820                  | 1.79                 | 2.30                 | 1.28               | 0.46                 | 38.3                 | 8.8                  | 69                   | 8.76                 |
| K285595            |                                   | 7.17                      | <0.005               | 18                    | 0.48                 | 3.90               | 41.2                 | 770                  | 1.88                 | 0.64                 | 1.47               | 1.71                 | 34.4                 | 11.4                 | 69                   | 7.78                 |
| K285596            |                                   | <0.02                     | <0.005               | 13                    | 0.47                 | 3.88               | 40.0                 | 760                  | 1.90                 | 0.63                 | 1.49               | 1.74                 | 33.9                 | 11.7                 | 68                   | 7.60                 |
| K285597            |                                   | 1.71                      | <0.005               | 19                    | 0.49                 | 4.17               | 156.0                | 1080                 | 1.66                 | 0.69                 | 1.36               | 2.61                 | 38.3                 | 17.4                 | 67                   | 7.88                 |
| K285598            |                                   | 2.33                      | <0.005               | 29                    | 1.41                 | 3.67               | 216                  | 1190                 | 1.42                 | 1.70                 | 0.97               | 1.48                 | 50.3                 | 10.4                 | 45                   | 9.05                 |
| K285599            |                                   | 6.44                      | <0.005               | 19                    | 1.00                 | 4.06               | 60.9                 | 830                  | 1.89                 | 0.19                 | 1.49               | 21.6                 | 36.9                 | 6.7                  | 68                   | 9.22                 |
| K285600            |                                   | 4.67                      | <0.005               | 26                    | 0.72                 | 4.04               | 86.9                 | 1020                 | 1.82                 | 0.18                 | 1.37               | 1.03                 | 37.1                 | 7.1                  | 74                   | 11.65                |
| K285601            |                                   | 4.99                      | <0.005               | 40                    | 2.99                 | 3.83               | 1050                 | 990                  | 1.52                 | 4.15                 | 1.52               | 12.05                | 36.7                 | 10.7                 | 66                   | 9.26                 |
| K285602            |                                   | 4.88                      | 0.012                | 57                    | 25.3                 | 3.23               | 6320                 | 140                  | 0.80                 | 52.8                 | 2.05               | 7.77                 | 32.7                 | 15.8                 | 50                   | 6.88                 |
| K285603            |                                   | 1.85                      | <0.005               | <5                    | 0.12                 | 0.04               | 10                   | 20                   | 0.06                 | 0.21                 | 19.85              | 0.10                 | 1.34                 | 1.4                  | <1                   | 0.12                 |
| K285604            |                                   | 7.20                      | <0.005               | 19                    | 2.15                 | 3.79               | 775                  | 940                  | 1.68                 | 3.87                 | 1.74               | 6.44                 | 36.0                 | 8.6                  | 64                   | 7.12                 |
| K285605            |                                   | 6.99                      | <0.005               | 15                    | 0.41                 | 4.17               | 34.1                 | 1140                 | 1.88                 | 0.50                 | 1.02               | 1.83                 | 44.5                 | 7.6                  | 63                   | 7.52                 |
| K285606            |                                   | 6.86                      | <0.005               | 19                    | 0.45                 | 3.69               | 88.3                 | 1040                 | 1.75                 | 0.27                 | 4.96               | 0.76                 | 38.1                 | 8.9                  | 50                   | 6.77                 |
| K285607            |                                   | 7.41                      | <0.005               | 11                    | 0.53                 | 4.03               | 28.4                 | 890                  | 2.14                 | 0.66                 | 1.39               | 1.05                 | 39.9                 | 10.1                 | 60                   | 10.30                |
| K285608            |                                   | 0.27                      | 0.013                | 270                   | 22.7                 | 3.78               | 1080                 | 240                  | 1.20                 | 78.8                 | 7.94               | 294                  | 39.8                 | 13.5                 | 51                   | 4.74                 |
| K285609            |                                   | 7.14                      | <0.005               | 17                    | 0.55                 | 4.46               | 84.8                 | 950                  | 2.51                 | 0.46                 | 1.21               | 0.54                 | 47.9                 | 10.0                 | 63                   | 8.57                 |
| K285610            |                                   | 7.20                      | <0.005               | 14                    | 0.41                 | 3.81               | 179.5                | 1180                 | 1.91                 | 0.54                 | 1.57               | 0.50                 | 41.2                 | 9.4                  | 54                   | 7.51                 |
| K285611            |                                   | 7.05                      | <0.005               | 8                     | 0.41                 | 4.23               | 17.2                 | 1160                 | 2.10                 | 0.71                 | 1.68               | 0.70                 | 45.1                 | 9.6                  | 61                   | 7.91                 |
| K285612            |                                   | 7.11                      | <0.005               | 10                    | 0.33                 | 4.81               | 25.3                 | 1140                 | 2.48                 | 0.55                 | 1.70               | 0.37                 | 42.8                 | 9.3                  | 61                   | 10.10                |
| K285613            |                                   | 7.54                      | <0.005               | 15                    | 0.32                 | 4.76               | 86.0                 | 1000                 | 2.57                 | 0.46                 | 1.24               | 0.15                 | 45.0                 | 10.5                 | 64                   | 9.84                 |
| K285614            |                                   | 3.01                      | <0.005               | 15                    | 0.32                 | 4.77               | 51.9                 | 980                  | 2.43                 | 0.43                 | 1.23               | 0.14                 | 42.3                 | 9.1                  | 63                   | 9.43                 |
| K285615            |                                   | 6.59                      | <0.005               | 17                    | 0.42                 | 4.63               | 126.5                | 1150                 | 2.20                 | 0.59                 | 1.62               | 0.08                 | 44.3                 | 10.1                 | 58                   | 10.50                |
| K285616            |                                   | 6.97                      | <0.005               | 16                    | 0.60                 | 3.96               | 14.1                 | 1440                 | 1.61                 | 0.32                 | 1.42               | 0.89                 | 41.3                 | 10.1                 | 59                   | 7.89                 |
| K285617            |                                   | 7.06                      | <0.005               | 21                    | 9.72                 | 3.19               | 455                  | 740                  | 1.73                 | 10.30                | 1.20               | 14.10                | 37.2                 | 12.1                 | 44                   | 7.07                 |
| K285618            |                                   | 5.67                      | <0.005               | 15                    | 3.66                 | 3.75               | 31.8                 | 740                  | 1.84                 | 1.07                 | 2.63               | 2.60                 | 36.9                 | 6.9                  | 62                   | 11.90                |
| K285619            |                                   | 4.84                      | <0.005               | 13                    | 13.95                | 3.29               | 9.2                  | 320                  | 1.72                 | 88.7                 | 2.99               | 1.46                 | 33.6                 | 8.2                  | 53                   | 6.79                 |
| K285620            |                                   | 5.86                      | <0.005               | 15                    | 2.08                 | 3.76               | 86.1                 | 990                  | 1.88                 | 7.64                 | 1.06               | 2.41                 | 39.5                 | 8.2                  | 55                   | 17.15                |
| K285621            |                                   | 0.27                      | 0.015                | 268                   | 23.2                 | 3.79               | 1060                 | 290                  | 1.12                 | 75.5                 | 8.05               | 298                  | 40.0                 | 13.8                 | 51                   | 4.79                 |
| K285622            |                                   | 8.66                      | <0.005               | 11                    | 0.34                 | 3.10               | 31.1                 | 980                  | 1.74                 | 0.82                 | 1.55               | 1.38                 | 37.8                 | 6.2                  | 46                   | 8.71                 |
| K285623            |                                   | 7.57                      | <0.005               | 12                    | 0.44                 | 3.65               | 49.8                 | 1250                 | 2.17                 | 1.10                 | 1.33               | 0.14                 | 41.3                 | 7.4                  | 59                   | 9.44                 |
| K285624            |                                   | 7.68                      | <0.005               | 21                    | 0.68                 | 4.18               | 85.7                 | 720                  | 2.25                 | 1.35                 | 1.02               | 0.14                 | 44.7                 | 7.5                  | 65                   | 7.32                 |
| K285625            |                                   | 2.07                      | <0.005               | <5                    | 0.01                 | 0.05               | <5                   | 20                   | <0.05                | 0.03                 | 19.80              | 0.06                 | 1.10                 | 1.5                  | <1                   | 0.13                 |
| K285626            |                                   | 7.63                      | <0.005               | 13                    | 0.51                 | 3.64               | 44.5                 | 580                  | 1.94                 | 0.71                 | 1.13               | 2.30                 | 45.3                 | 8.0                  | 52                   | 9.46                 |
| K285627            |                                   | 8.20                      | <0.005               | 13                    | 0.44                 | 3.31               | 35.2                 | 1000                 | 2.13                 | 0.70                 | 1.06               | 0.09                 | 49.5                 | 7.6                  | 49                   | 7.15                 |
| K285628            |                                   | 7.71                      | <0.005               | 10                    | 0.44                 | 3.14               | 38.4                 | 1330                 | 2.06                 | 0.80                 | 1.13               | 0.20                 | 45.0                 | 6.7                  | 46                   | 7.69                 |



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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 | ME-MS61 |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                    |                                   | Cu      | Fe      | Ga      | Ge      | Hf      | In      | K       | La      | Li      | Mg      | Mn      | Mo      | Na      | Nb      | Ni      |
|                    |                                   | ppm     | %       | 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     | 0.2     |
| K285593            |                                   | 67.5    | 1.71    | 12.05   | 0.18    | 1.9     | 0.019   | 2.16    | 26.7    | 42.1    | 0.63    | 36      | 22.7    | 0.04    | 11.3    | 88.3    |
| K285594            |                                   | 72.6    | 1.95    | 11.50   | 0.20    | 1.9     | 0.016   | 2.04    | 26.7    | 57.1    | 0.89    | 55      | 30.6    | 0.06    | 8.6     | 105.0   |
| K285595            |                                   | 63.5    | 1.63    | 9.96    | 0.15    | 1.8     | 0.011   | 1.75    | 24.1    | 48.8    | 0.79    | 41      | 24.4    | 0.06    | 9.0     | 132.0   |
| K285596            |                                   | 64.4    | 1.72    | 9.89    | 0.17    | 1.8     | 0.011   | 1.78    | 23.8    | 49.5    | 0.79    | 54      | 24.3    | 0.06    | 9.0     | 135.5   |
| K285597            |                                   | 81.4    | 1.66    | 9.61    | 0.20    | 1.8     | 0.010   | 2.18    | 25.3    | 52.0    | 0.80    | 44      | 26.1    | 0.08    | 8.5     | 164.5   |
| K285598            |                                   | 79.0    | 2.05    | 9.06    | 0.21    | 1.9     | 0.009   | 2.61    | 30.4    | 48.4    | 1.18    | 65      | 25.6    | 0.07    | 14.1    | 103.5   |
| K285599            |                                   | 79.9    | 2.36    | 10.75   | 0.19    | 1.8     | 0.323   | 1.84    | 25.7    | 57.2    | 1.53    | 59      | 30.6    | 0.08    | 9.8     | 99.0    |
| K285600            |                                   | 80.4    | 2.44    | 11.95   | 0.21    | 1.8     | 0.021   | 2.40    | 26.6    | 42.5    | 1.08    | 60      | 26.5    | 0.04    | 8.5     | 109.5   |
| K285601            |                                   | 111.5   | 2.62    | 11.05   | 0.22    | 1.9     | 0.158   | 2.91    | 25.1    | 50.0    | 0.90    | 55      | 26.4    | 0.06    | 8.4     | 127.0   |
| K285602            |                                   | 290     | 7.03    | 10.00   | 0.43    | 1.3     | 0.126   | 2.80    | 21.2    | 45.2    | 0.43    | 62      | 24.5    | 0.05    | 10.0    | 101.5   |
| K285603            |                                   | 4.3     | 0.46    | 0.30    | 0.09    | <0.1    | 0.005   | 0.02    | 0.7     | 0.9     | 12.10   | 197     | 0.21    | <0.01   | 0.4     | 2.3     |
| K285604            |                                   | 69.9    | 2.11    | 9.61    | 0.16    | 1.6     | 0.098   | 1.57    | 24.3    | 50.8    | 1.04    | 60      | 41.6    | 0.09    | 8.3     | 106.5   |
| K285605            |                                   | 58.1    | 1.96    | 11.10   | 0.17    | 1.6     | 0.044   | 2.08    | 29.0    | 36.8    | 0.60    | 44      | 28.9    | 0.06    | 16.5    | 75.1    |
| K285606            |                                   | 60.6    | 2.14    | 8.59    | 0.15    | 1.4     | 0.010   | 1.53    | 25.6    | 33.8    | 0.82    | 57      | 25.9    | 0.09    | 12.8    | 93.2    |
| K285607            |                                   | 78.5    | 2.15    | 10.25   | 0.17    | 1.3     | 0.024   | 1.40    | 26.4    | 48.2    | 0.87    | 58      | 31.5    | 0.07    | 13.4    | 121.0   |
| K285608            |                                   | 1875    | 5.72    | 12.90   | 0.32    | 1.3     | 22.9    | 1.37    | 22.0    | 27.6    | 2.06    | 2600    | 16.30   | 0.16    | 8.8     | 50.0    |
| K285609            |                                   | 89.0    | 2.27    | 11.70   | 0.17    | 1.5     | 0.024   | 1.82    | 31.2    | 46.1    | 0.84    | 45      | 31.9    | 0.07    | 15.8    | 117.5   |
| K285610            |                                   | 78.9    | 1.97    | 10.40   | 0.17    | 1.3     | 0.018   | 1.65    | 27.4    | 36.6    | 0.81    | 51      | 32.1    | 0.07    | 14.5    | 97.1    |
| K285611            |                                   | 84.8    | 2.18    | 10.95   | 0.19    | 1.4     | 0.020   | 1.54    | 29.7    | 44.5    | 0.91    | 46      | 35.0    | 0.10    | 17.2    | 107.5   |
| K285612            |                                   | 72.8    | 2.02    | 12.75   | 0.21    | 1.5     | 0.016   | 1.91    | 27.2    | 52.8    | 0.90    | 52      | 18.10   | 0.07    | 12.2    | 78.6    |
| K285613            |                                   | 81.0    | 2.18    | 12.70   | 0.21    | 1.6     | 0.012   | 1.96    | 28.9    | 57.8    | 0.99    | 45      | 22.9    | 0.07    | 13.5    | 94.1    |
| K285614            |                                   | 81.6    | 2.15    | 12.50   | 0.20    | 1.5     | 0.008   | 2.00    | 26.7    | 54.2    | 0.89    | 46      | 23.4    | 0.08    | 13.6    | 90.8    |
| K285615            |                                   | 75.5    | 2.04    | 11.55   | 0.22    | 1.5     | 0.011   | 2.01    | 27.9    | 42.8    | 0.83    | 46      | 23.9    | 0.10    | 13.8    | 90.8    |
| K285616            |                                   | 74.8    | 1.90    | 9.75    | 0.18    | 1.8     | 0.019   | 2.21    | 27.3    | 30.6    | 0.57    | 59      | 24.2    | 0.07    | 13.6    | 121.0   |
| K285617            |                                   | 139.5   | 2.90    | 8.73    | 0.25    | 1.2     | 0.198   | 0.87    | 26.0    | 58.3    | 1.22    | 64      | 31.0    | 0.07    | 15.6    | 114.5   |
| K285618            |                                   | 75.0    | 1.87    | 10.05   | 0.21    | 1.6     | 0.036   | 1.77    | 25.4    | 50.2    | 1.11    | 83      | 25.7    | 0.04    | 13.3    | 104.5   |
| K285619            |                                   | 176.5   | 3.42    | 9.15    | 0.28    | 1.5     | 0.017   | 1.60    | 23.4    | 49.8    | 0.94    | 51      | 28.5    | 0.03    | 11.8    | 93.3    |
| K285620            |                                   | 102.0   | 2.55    | 11.35   | 0.22    | 1.5     | 0.046   | 2.19    | 27.0    | 51.1    | 0.89    | 48      | 36.7    | 0.04    | 22.5    | 105.0   |
| K285621            |                                   | 1875    | 5.77    | 13.15   | 0.33    | 1.3     | 23.1    | 1.37    | 22.2    | 28.5    | 2.07    | 2690    | 16.00   | 0.16    | 8.8     | 51.0    |
| K285622            |                                   | 49.2    | 1.45    | 9.45    | 0.15    | 1.2     | 0.051   | 1.43    | 26.1    | 47.9    | 0.49    | 40      | 37.8    | 0.02    | 20.2    | 104.0   |
| K285623            |                                   | 71.4    | 1.90    | 10.50   | 0.17    | 1.4     | 0.011   | 1.52    | 26.9    | 64.3    | 0.67    | 44      | 31.0    | 0.07    | 18.1    | 88.7    |
| K285624            |                                   | 87.0    | 2.10    | 12.75   | 0.21    | 1.5     | 0.015   | 1.88    | 28.2    | 47.9    | 0.79    | 41      | 23.0    | 0.09    | 16.1    | 89.2    |
| K285625            |                                   | 2.8     | 0.44    | 0.36    | 0.12    | <0.1    | 0.005   | 0.02    | 0.6     | 1.1     | 12.35   | 193     | 0.28    | <0.01   | 0.4     | 2.8     |
| K285626            |                                   | 73.3    | 2.15    | 10.70   | 0.18    | 1.4     | 0.064   | 1.56    | 29.6    | 56.9    | 0.79    | 35      | 37.9    | 0.04    | 21.2    | 104.5   |
| K285627            |                                   | 66.6    | 1.96    | 9.24    | 0.17    | 1.4     | 0.007   | 1.33    | 32.2    | 63.5    | 0.66    | 38      | 39.4    | 0.11    | 22.6    | 98.3    |
| K285628            |                                   | 50.6    | 1.69    | 8.99    | 0.16    | 1.3     | 0.008   | 1.10    | 30.4    | 78.3    | 0.75    | 52      | 36.5    | 0.09    | 22.9    | 90.3    |



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Project: KEG (MAIN-GROUP 2)

**CERTIFICATE OF ANALYSIS WH12202885**

| 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    | ME-MS61     |
|--------------------|-----------------------------------|-----------|------------|------------|--------------|-----------|-------------|------------|----------|------------|------------|-------------|-------------|------------|------------|-------------|
|                    |                                   | P         | Pb         | Rb         | Re           | S         | Sb          | Sc         | Se       | Sn         | Sr         | Ta          | Te          | Th         | Ti         | Tl          |
|                    |                                   | 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 | ppm<br>0.02 |
| K285593            |                                   | 1570      | 20.1       | 141.0      | 0.037        | 0.97      | 4.80        | 8.4        | 13       | 11.2       | 140.5      | 0.76        | 0.08        | 7.3        | 0.213      | 2.04        |
| K285594            |                                   | 2140      | 27.5       | 127.0      | 0.034        | 1.06      | 5.36        | 7.8        | 14       | 11.3       | 123.0      | 0.59        | 0.08        | 7.1        | 0.212      | 1.88        |
| K285595            |                                   | 2130      | 30.7       | 102.5      | 0.036        | 0.88      | 4.19        | 7.7        | 12       | 13.0       | 107.5      | 0.62        | 0.07        | 7.0        | 0.203      | 1.69        |
| K285596            |                                   | 2160      | 29.9       | 104.5      | 0.036        | 0.89      | 4.22        | 7.8        | 12       | 12.6       | 106.0      | 0.61        | 0.06        | 7.0        | 0.205      | 1.71        |
| K285597            |                                   | 2850      | 35.2       | 119.0      | 0.034        | 0.91      | 4.15        | 8.1        | 12       | 16.6       | 159.0      | 0.60        | 0.15        | 7.1        | 0.206      | 1.97        |
| K285598            |                                   | 800       | 46.3       | 148.5      | 0.025        | 1.16      | 4.28        | 8.1        | 14       | 26.9       | 228        | 0.97        | 0.24        | 8.0        | 0.188      | 2.86        |
| K285599            |                                   | 2310      | 79.7       | 118.5      | 0.040        | 1.28      | 6.92        | 8.3        | 17       | 16.1       | 104.5      | 0.68        | 0.10        | 7.1        | 0.205      | 2.21        |
| K285600            |                                   | 3000      | 49.8       | 165.5      | 0.036        | 1.29      | 5.56        | 8.4        | 15       | 22.7       | 59.4       | 0.59        | 0.08        | 7.2        | 0.204      | 2.82        |
| K285601            |                                   | 2660      | 123.0      | 177.5      | 0.035        | 1.30      | 11.95       | 7.4        | 17       | 35.5       | 78.2       | 0.56        | 0.24        | 6.9        | 0.181      | 3.13        |
| K285602            |                                   | 890       | 589        | 151.5      | 0.028        | 5.82      | 89.8        | 5.6        | 69       | 44.1       | 59.6       | 0.63        | 2.56        | 4.8        | 0.154      | 3.56        |
| K285603            |                                   | 180       | 3.3        | 1.2        | <0.002       | 0.01      | 0.26        | 0.2        | 2        | 0.2        | 48.7       | <0.05       | <0.05       | <0.2       | <0.005     | <0.02       |
| K285604            |                                   | 1720      | 81.8       | 99.3       | 0.031        | 1.17      | 8.36        | 7.7        | 16       | 16.0       | 156.5      | 0.57        | 0.35        | 6.5        | 0.194      | 1.72        |
| K285605            |                                   | 1210      | 26.6       | 122.0      | 0.038        | 1.03      | 4.43        | 8.7        | 13       | 12.4       | 162.0      | 1.08        | 0.09        | 7.3        | 0.212      | 1.80        |
| K285606            |                                   | 1060      | 13.9       | 91.6       | 0.021        | 1.49      | 6.09        | 7.6        | 11       | 12.6       | 262        | 0.79        | 0.09        | 6.3        | 0.178      | 1.56        |
| K285607            |                                   | 720       | 27.1       | 91.4       | 0.041        | 1.23      | 4.31        | 9.3        | 11       | 10.0       | 343        | 0.90        | 0.08        | 6.6        | 0.190      | 1.57        |
| K285608            |                                   | 820       | 1530       | 64.9       | 0.020        | 2.64      | 8.61        | 7.6        | 55       | 215        | 154.0      | 0.63        | 0.50        | 6.1        | 0.245      | 0.64        |
| K285609            |                                   | 770       | 20.9       | 114.0      | 0.042        | 1.45      | 6.22        | 10.2       | 12       | 13.1       | 365        | 1.07        | 0.09        | 7.4        | 0.217      | 1.79        |
| K285610            |                                   | 1040      | 17.2       | 106.5      | 0.036        | 1.06      | 6.15        | 8.6        | 12       | 10.6       | 192.0      | 0.92        | 0.19        | 6.6        | 0.185      | 1.78        |
| K285611            |                                   | 710       | 20.2       | 94.1       | 0.044        | 1.22      | 4.48        | 9.3        | 12       | 7.4        | 214        | 1.12        | 0.06        | 7.2        | 0.213      | 1.61        |
| K285612            |                                   | 860       | 14.9       | 111.5      | 0.027        | 1.13      | 3.58        | 10.1       | 12       | 7.3        | 186.0      | 0.80        | 0.07        | 7.4        | 0.221      | 1.85        |
| K285613            |                                   | 880       | 17.8       | 118.5      | 0.028        | 1.27      | 4.09        | 10.4       | 12       | 12.1       | 174.0      | 0.89        | 0.09        | 7.2        | 0.224      | 1.95        |
| K285614            |                                   | 870       | 17.6       | 119.5      | 0.027        | 1.24      | 3.89        | 10.3       | 11       | 12.4       | 162.5      | 0.88        | 0.07        | 7.2        | 0.222      | 1.92        |
| K285615            |                                   | 680       | 20.4       | 120.0      | 0.028        | 1.16      | 6.01        | 9.9        | 11       | 13.6       | 223        | 0.91        | 0.13        | 7.1        | 0.209      | 1.89        |
| K285616            |                                   | 1780      | 23.8       | 133.5      | 0.038        | 0.86      | 3.09        | 8.5        | 9        | 13.5       | 155.5      | 0.86        | <0.05       | 7.1        | 0.207      | 2.11        |
| K285617            |                                   | 690       | 861        | 74.3       | 0.040        | 1.94      | 10.15       | 8.2        | 32       | 18.2       | 166.5      | 1.02        | 0.65        | 5.9        | 0.170      | 1.65        |
| K285618            |                                   | 1650      | 423        | 117.0      | 0.033        | 1.28      | 17.25       | 7.7        | 18       | 11.5       | 132.5      | 0.86        | 0.20        | 6.8        | 0.199      | 1.95        |
| K285619            |                                   | 1840      | 259        | 110.5      | 0.040        | 2.95      | 69.4        | 6.8        | 41       | 9.8        | 153.0      | 0.78        | 1.85        | 5.7        | 0.169      | 2.31        |
| K285620            |                                   | 890       | 103.0      | 163.0      | 0.046        | 1.71      | 26.1        | 8.3        | 22       | 11.8       | 81.1       | 1.42        | 0.27        | 7.5        | 0.197      | 2.83        |
| K285621            |                                   | 830       | 1535       | 65.3       | 0.019        | 2.67      | 8.62        | 7.8        | 55       | 215        | 155.0      | 0.65        | 0.53        | 6.3        | 0.249      | 0.65        |
| K285622            |                                   | 710       | 12.6       | 107.5      | 0.042        | 0.87      | 15.25       | 6.2        | 13       | 7.5        | 44.0       | 1.31        | 0.07        | 6.4        | 0.168      | 1.54        |
| K285623            |                                   | 1300      | 10.4       | 107.0      | 0.038        | 1.05      | 9.38        | 7.5        | 13       | 9.8        | 127.5      | 1.13        | 0.11        | 6.7        | 0.189      | 1.57        |
| K285624            |                                   | 1400      | 16.5       | 112.5      | 0.036        | 1.28      | 7.84        | 9.2        | 16       | 15.3       | 153.5      | 1.00        | 0.16        | 7.3        | 0.209      | 1.69        |
| K285625            |                                   | 180       | 1.5        | 1.2        | <0.002       | <0.01     | 0.06        | 0.2        | 1        | <0.2       | 44.7       | <0.05       | <0.05       | <0.2       | <0.005     | <0.02       |
| K285626            |                                   | 910       | 12.8       | 115.0      | 0.046        | 1.53      | 12.55       | 7.2        | 21       | 11.5       | 96.6       | 1.36        | 0.19        | 6.8        | 0.191      | 1.69        |
| K285627            |                                   | 850       | 14.4       | 87.6       | 0.048        | 1.11      | 5.86        | 7.1        | 15       | 9.0        | 113.5      | 1.51        | 0.22        | 7.0        | 0.182      | 1.38        |
| K285628            |                                   | 550       | 14.6       | 79.7       | 0.044        | 0.85      | 7.14        | 6.5        | 11       | 8.8        | 198.5      | 1.50        | 0.16        | 7.0        | 0.177      | 1.35        |



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 Plus Appendix Pages  
 Finalized Date: 11-SEP-2012  
 Account: RANSIL

Project: KEG (MAIN-GROUP 2)

**CERTIFICATE OF ANALYSIS WH12202885**

| 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 |
|--------------------|-----------------------------------|----------------------------|--------------------------|----------------------------|----------------------------|---------------------------|-----------------------------|-----------------------------|
| K285593            |                                   | 8.7                        | 510                      | 1.5                        | 24.7                       | 58                        | 69.4                        |                             |
| K285594            |                                   | 8.7                        | 635                      | 1.9                        | 30.6                       | 51                        | 66.9                        |                             |
| K285595            |                                   | 7.0                        | 576                      | 1.7                        | 27.3                       | 125                       | 67.0                        |                             |
| K285596            |                                   | 7.0                        | 578                      | 1.7                        | 27.2                       | 127                       | 67.4                        |                             |
| K285597            |                                   | 7.4                        | 569                      | 1.5                        | 31.0                       | 195                       | 61.7                        |                             |
| K285598            |                                   | 9.2                        | 359                      | 2.0                        | 25.3                       | 113                       | 69.6                        |                             |
| K285599            |                                   | 9.3                        | 629                      | 1.5                        | 26.8                       | 1520                      | 63.3                        |                             |
| K285600            |                                   | 8.1                        | 600                      | 1.5                        | 31.3                       | 90                        | 65.1                        |                             |
| K285601            |                                   | 7.5                        | 492                      | 1.8                        | 27.3                       | 750                       | 64.6                        |                             |
| K285602            |                                   | 6.3                        | 489                      | 1.4                        | 16.1                       | 597                       | 50.3                        |                             |
| K285603            |                                   | 0.7                        | 5                        | 0.1                        | 0.9                        | 15                        | 0.5                         |                             |
| K285604            |                                   | 8.1                        | 736                      | 1.7                        | 27.5                       | 480                       | 58.9                        |                             |
| K285605            |                                   | 9.5                        | 481                      | 1.3                        | 27.2                       | 109                       | 64.4                        |                             |
| K285606            |                                   | 8.5                        | 384                      | 5.1                        | 27.0                       | 98                        | 56.7                        |                             |
| K285607            |                                   | 9.0                        | 450                      | 1.5                        | 27.4                       | 99                        | 52.4                        |                             |
| K285608            |                                   | 3.1                        | 105                      | 4.8                        | 22.7                       | >10000                    | 41.9                        | 1.450                       |
| K285609            |                                   | 9.8                        | 408                      | 3.8                        | 28.6                       | 85                        | 61.5                        |                             |
| K285610            |                                   | 9.5                        | 439                      | 2.0                        | 25.8                       | 57                        | 54.7                        |                             |
| K285611            |                                   | 10.6                       | 420                      | 1.9                        | 25.5                       | 84                        | 58.2                        |                             |
| K285612            |                                   | 6.9                        | 309                      | 1.3                        | 23.6                       | 32                        | 58.5                        |                             |
| K285613            |                                   | 7.9                        | 356                      | 1.6                        | 25.7                       | 28                        | 59.5                        |                             |
| K285614            |                                   | 8.3                        | 348                      | 1.6                        | 25.5                       | 23                        | 58.0                        |                             |
| K285615            |                                   | 8.6                        | 337                      | 1.5                        | 24.5                       | 39                        | 58.4                        |                             |
| K285616            |                                   | 10.0                       | 579                      | 1.8                        | 26.4                       | 144                       | 67.2                        |                             |
| K285617            |                                   | 9.7                        | 380                      | 2.2                        | 25.5                       | 1050                      | 50.1                        |                             |
| K285618            |                                   | 7.9                        | 501                      | 6.1                        | 24.6                       | 177                       | 63.7                        |                             |
| K285619            |                                   | 7.5                        | 555                      | 2.0                        | 26.5                       | 71                        | 57.4                        |                             |
| K285620            |                                   | 11.3                       | 574                      | 2.2                        | 17.9                       | 155                       | 65.1                        |                             |
| K285621            |                                   | 3.2                        | 106                      | 5.8                        | 22.9                       | >10000                    | 41.9                        | 1.480                       |
| K285622            |                                   | 10.4                       | 528                      | 1.8                        | 19.4                       | 79                        | 56.4                        |                             |
| K285623            |                                   | 9.7                        | 481                      | 1.5                        | 23.4                       | 10                        | 59.5                        |                             |
| K285624            |                                   | 9.3                        | 496                      | 1.3                        | 22.7                       | 11                        | 63.6                        |                             |
| K285625            |                                   | 0.8                        | 5                        | 0.1                        | 0.9                        | 12                        | 0.6                         |                             |
| K285626            |                                   | 11.6                       | 554                      | 1.4                        | 23.8                       | 174                       | 61.9                        |                             |
| K285627            |                                   | 13.2                       | 412                      | 1.2                        | 23.9                       | 8                         | 62.5                        |                             |
| K285628            |                                   | 10.8                       | 484                      | 1.1                        | 21.9                       | 15                        | 61.1                        |                             |



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**CERTIFICATE OF ANALYSIS WH12202885**

| 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. |