ALS Canada Ltd.

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

To: **OSISKO MINING LTD.**
**P.O. BOX 996**
**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

# CERTIFICATE TM14084679

Project: KL_LITHO

P.O. No.: KL 000584

This report is for 247 Rock samples submitted to our lab in Timmins, ON, Canada on 6-JUN-2014.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MIKE FELL | ANDREW STOKES | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| FND-02 | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-ICP61 | 33 element four acid ICP-AES | ICP-AES |

To: **OSISKO MINING LTD.**
**ATTN: ANDREW STOKES**
**P.O. BOX 996**
**KIRKLAND LAKE ON P2N 3L1**

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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**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | K | La |
| | Units | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | % | ppm |
| | LOR | 0.5 | 0.01 | 5 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 | 0.01 | 10 |
| L179429 | | <0.5 | 8.35 | 25 | 780 | 1.7 | <2 | 2.20 | <0.5 | 15 | 68 | 68 | 3.22 | 20 | 1.33 | 40 |
| L179430 | | <0.5 | 6.31 | 5 | 50 | <0.5 | <2 | 4.57 | <0.5 | 49 | 430 | 82 | 7.48 | 10 | 0.12 | <10 |
| L179431 | | <0.5 | 7.43 | 7 | 300 | 0.9 | <2 | 4.83 | <0.5 | 30 | 219 | 130 | 4.73 | 20 | 0.61 | 50 |
| L179432 | | <0.5 | 7.45 | 7 | 280 | 0.5 | <2 | 4.56 | <0.5 | 37 | 105 | 25 | 6.83 | 20 | 0.96 | <10 |
| L179433 | | <0.5 | 7.79 | <5 | 130 | 4.4 | <2 | 2.57 | <0.5 | 22 | 75 | 36 | 3.47 | 30 | 4.38 | 10 |
| L179434 | | <0.5 | 7.36 | 16 | 100 | <0.5 | <2 | 4.12 | 1.0 | 48 | 91 | 160 | 7.18 | 20 | 0.43 | <10 |
| L179435 | | <0.5 | 7.36 | 9 | 140 | 0.5 | 2 | 2.55 | <0.5 | 55 | 78 | 51 | 7.30 | 20 | 0.22 | <10 |
| L179436 | | <0.5 | 7.35 | 34 | 100 | <0.5 | <2 | 8.56 | 0.5 | 40 | 79 | 97 | 7.30 | 20 | 0.48 | 10 |
| L179437 | | <0.5 | 7.25 | <5 | 180 | <0.5 | <2 | 6.67 | <0.5 | 47 | 112 | 35 | 5.88 | 20 | 0.58 | <10 |
| L179438 | | <0.5 | 6.31 | 31 | 320 | 0.9 | <2 | 4.96 | <0.5 | 52 | 769 | 74 | 6.42 | 20 | 1.85 | <10 |
| L179439 | | <0.5 | 4.19 | <5 | 120 | <0.5 | <2 | 3.90 | <0.5 | 82 | 1660 | 61 | 7.66 | 10 | 0.01 | <10 |
| L179440 | | <0.5 | 5.09 | 6 | 100 | <0.5 | <2 | 3.32 | 0.7 | 75 | 1115 | 64 | 8.39 | 10 | 0.01 | <10 |
| L179441 | | <0.5 | 7.94 | 5 | 1190 | 1.7 | <2 | 2.21 | <0.5 | 10 | 22 | 60 | 2.77 | 20 | 0.82 | 50 |
| L179442 | | <0.5 | 6.87 | 7 | 2640 | 1.7 | <2 | 5.05 | <0.5 | 27 | 114 | 46 | 6.32 | 20 | 0.60 | 50 |
| L179443 | | <0.5 | 7.33 | 30 | 1180 | 1.6 | <2 | 3.12 | <0.5 | 20 | 109 | 70 | 4.72 | 20 | 1.57 | 30 |
| L179444 | | <0.5 | 6.98 | 33 | 2010 | 2.4 | <2 | 3.90 | <0.5 | 33 | 191 | 23 | 7.15 | 20 | 2.15 | 40 |
| L179445 | | <0.5 | 7.31 | 26 | 1760 | 2.0 | <2 | 5.15 | <0.5 | 31 | 71 | 62 | 7.56 | 20 | 2.16 | 60 |
| L179446 | | <0.5 | 7.20 | 23 | 2710 | 2.0 | <2 | 4.21 | <0.5 | 27 | 83 | 86 | 6.38 | 20 | 2.41 | 50 |
| L179447 | | <0.5 | 7.47 | 40 | 1590 | 1.7 | <2 | 4.06 | <0.5 | 31 | 63 | 80 | 7.69 | 20 | 2.89 | 50 |
| L179448 | | <0.5 | 4.93 | 45 | 350 | 1.0 | <2 | 7.20 | <0.5 | 128 | 337 | 13 | 3.87 | 10 | 1.28 | 10 |
| L179449 | | <0.5 | 7.01 | 26 | 2730 | 1.7 | <2 | 4.55 | <0.5 | 29 | 106 | 87 | 7.06 | 20 | 2.60 | 40 |
| L179450 | | <0.5 | 5.92 | 33 | 1150 | 1.5 | <2 | 7.22 | <0.5 | 34 | 63 | 122 | 5.55 | 20 | 1.57 | 40 |
| L179451 | | <0.5 | 7.20 | 35 | 1230 | 1.4 | 2 | 4.51 | <0.5 | 29 | 126 | 55 | 6.67 | 20 | 1.75 | 40 |
| L179452 | | <0.5 | 5.98 | 17 | 1910 | 1.6 | <2 | 6.35 | <0.5 | 32 | 129 | 50 | 7.57 | 20 | 1.51 | 50 |
| L179453 | | <0.5 | 2.95 | 120 | 90 | 0.5 | <2 | 4.19 | <0.5 | 65 | 1120 | 39 | 5.63 | 10 | 0.31 | 10 |
| L179454 | | <0.5 | 7.17 | 7 | 700 | 1.2 | <2 | 1.86 | <0.5 | 16 | 55 | 98 | 3.73 | 20 | 1.76 | 20 |
| L179455 | | <0.5 | 7.44 | 16 | 990 | 2.3 | <2 | 2.96 | <0.5 | 27 | 91 | 74 | 6.38 | 20 | 2.23 | 30 |
| L179456 | | <0.5 | 7.82 | 16 | 2750 | 1.3 | <2 | 4.14 | <0.5 | 26 | 54 | 81 | 6.81 | 20 | 3.99 | 30 |
| L179457 | | <0.5 | 7.47 | 10 | 2190 | 1.6 | <2 | 4.01 | <0.5 | 30 | 47 | 9 | 7.50 | 20 | 3.40 | 30 |
| L179458 | | <0.5 | 6.82 | 26 | 3050 | 1.7 | <2 | 3.14 | <0.5 | 21 | 126 | 83 | 5.03 | 20 | 2.39 | 30 |
| L179459 | | <0.5 | 6.60 | <5 | 1770 | 1.2 | <2 | 2.35 | <0.5 | 15 | 119 | 25 | 2.91 | 20 | 2.84 | 30 |
| L179460 | | 0.5 | 7.14 | 10 | 1010 | 1.5 | <2 | 1.53 | <0.5 | 7 | 38 | 51 | 2.34 | 20 | 1.90 | 40 |
| L179461 | | <0.5 | 6.14 | 12 | 160 | 1.1 | <2 | 1.74 | <0.5 | 38 | 537 | 80 | 5.94 | 20 | 0.59 | 20 |
| L179462 | | <0.5 | 6.94 | 10 | 1390 | 3.0 | <2 | 3.49 | <0.5 | 20 | 180 | 62 | 4.90 | 20 | 4.12 | 30 |
| L179463 | | <0.5 | 7.22 | 10 | 660 | 2.0 | <2 | 3.29 | <0.5 | 27 | 145 | 65 | 6.16 | 20 | 2.08 | 40 |
| L179464 | | <0.5 | 7.19 | 23 | 650 | 2.1 | <2 | 4.45 | <0.5 | 26 | 132 | 81 | 6.49 | 20 | 1.35 | 40 |
| L179465 | | <0.5 | 7.01 | 12 | 2010 | 1.7 | <2 | 2.43 | <0.5 | 15 | 116 | 76 | 3.60 | 20 | 2.00 | 30 |
| L179466 | | <0.5 | 7.94 | <5 | 150 | 3.7 | <2 | 2.56 | <0.5 | 22 | 77 | 44 | 3.41 | 30 | 4.35 | 10 |
| L179467 | | <0.5 | 6.92 | <5 | 1670 | 1.1 | <2 | 4.95 | <0.5 | 28 | 118 | 74 | 6.76 | 20 | 3.57 | 30 |
| L179468 | | <0.5 | 6.79 | <5 | 1050 | 1.6 | <2 | 2.53 | <0.5 | 35 | 425 | 106 | 6.65 | 20 | 1.58 | 20 |

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

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**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th | Ti | Tl | U |
| | Units | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 5 | 1 | 1 | 20 | 0.01 | 10 | 10 |
| L179429 | | 0.98 | 670 | 8 | 5.12 | 23 | 1060 | 33 | 1.52 | 20 | 8 | 319 | <20 | 0.18 | 10 | <10 |
| L179430 | | 5.52 | 1020 | <1 | 1.75 | 148 | 220 | <2 | 0.07 | 7 | 37 | 126 | <20 | 0.40 | 10 | <10 |
| L179431 | | 3.44 | 771 | <1 | 4.21 | 96 | 1930 | 14 | 0.67 | <5 | 12 | 398 | <20 | 0.32 | <10 | <10 |
| L179432 | | 2.32 | 1300 | <1 | 2.92 | 74 | 430 | <2 | 0.07 | 6 | 47 | 257 | <20 | 0.78 | <10 | <10 |
| L179433 | | 2.00 | 489 | 1 | 3.48 | 81 | 1180 | 37 | 0.01 | 7 | 6 | 329 | <20 | 0.60 | 10 | <10 |
| L179434 | | 2.38 | 1175 | <1 | 3.08 | 87 | 400 | <2 | 0.93 | <5 | 44 | 71 | <20 | 0.71 | <10 | <10 |
| L179435 | | 1.58 | 437 | <1 | 4.78 | 85 | 270 | 4 | 4.02 | 6 | 31 | 87 | <20 | 0.39 | 10 | <10 |
| L179436 | | 2.46 | 1695 | <1 | 0.42 | 77 | 410 | 10 | 0.15 | 10 | 42 | 144 | <20 | 0.67 | <10 | <10 |
| L179437 | | 3.38 | 1205 | <1 | 1.57 | 96 | 380 | 2 | 0.05 | <5 | 46 | 129 | <20 | 0.68 | 10 | <10 |
| L179438 | | 3.38 | 1480 | 13 | 1.81 | 219 | 210 | 3 | 0.72 | 17 | 35 | 298 | <20 | 0.38 | <10 | <10 |
| L179439 | | 11.60 | 1285 | <1 | 0.01 | 781 | 130 | <2 | 0.01 | 6 | 27 | 82 | <20 | 0.19 | <10 | <10 |
| L179440 | | 10.10 | 1805 | <1 | 0.01 | 428 | 190 | <2 | <0.01 | 6 | 33 | 121 | <20 | 0.24 | <10 | <10 |
| L179441 | | 0.84 | 644 | 2 | 6.22 | 11 | 960 | 11 | 1.30 | 6 | 5 | 570 | <20 | 0.22 | <10 | <10 |
| L179442 | | 2.74 | 1430 | <1 | 3.76 | 35 | 1890 | 18 | 0.08 | 6 | 26 | 1960 | <20 | 0.41 | 10 | <10 |
| L179443 | | 2.18 | 881 | <1 | 4.31 | 36 | 1180 | 11 | 0.02 | 5 | 15 | 1920 | <20 | 0.36 | <10 | <10 |
| L179444 | | 3.27 | 1310 | 3 | 3.07 | 53 | 1760 | 7 | 0.07 | 7 | 27 | 3000 | <20 | 0.60 | 10 | <10 |
| L179445 | | 3.05 | 1450 | <1 | 2.65 | 29 | 2300 | 13 | 0.01 | 7 | 27 | 1985 | <20 | 0.56 | <10 | <10 |
| L179446 | | 3.33 | 1220 | <1 | 2.14 | 27 | 1920 | 27 | 0.42 | 12 | 25 | 2170 | <20 | 0.49 | <10 | <10 |
| L179447 | | 2.64 | 1185 | <1 | 2.95 | 19 | 2390 | 21 | 0.78 | 9 | 34 | 1825 | <20 | 0.59 | <10 | <10 |
| L179448 | | 3.29 | 1125 | <1 | 2.48 | 216 | 790 | 4 | 0.43 | 6 | 14 | 870 | <20 | 0.22 | 10 | <10 |
| L179449 | | 3.28 | 1340 | <1 | 2.21 | 31 | 1870 | 10 | 0.17 | 9 | 30 | 1015 | <20 | 0.53 | <10 | <10 |
| L179450 | | 2.38 | 1505 | 1 | 1.68 | 20 | 1570 | 9 | 0.22 | 6 | 21 | 1040 | <20 | 0.39 | <10 | <10 |
| L179451 | | 3.17 | 1250 | <1 | 3.41 | 36 | 1530 | 8 | 0.02 | 7 | 28 | 1370 | <20 | 0.51 | 10 | <10 |
| L179452 | | 3.07 | 1370 | <1 | 0.92 | 38 | 2090 | 2 | 0.05 | 9 | 37 | 983 | <20 | 0.56 | <10 | <10 |
| L179453 | | 10.90 | 978 | 2 | 0.74 | 930 | 220 | 7 | 0.75 | 28 | 17 | 384 | <20 | 0.15 | <10 | <10 |
| L179454 | | 1.98 | 573 | <1 | 3.19 | 38 | 850 | 8 | 0.17 | 9 | 10 | 381 | <20 | 0.26 | <10 | <10 |
| L179455 | | 2.78 | 1150 | <1 | 3.37 | 29 | 1730 | 23 | 0.03 | 8 | 20 | 546 | <20 | 0.47 | 10 | <10 |
| L179456 | | 2.61 | 1215 | <1 | 2.21 | 15 | 1600 | 7 | 0.01 | 9 | 22 | 1825 | <20 | 0.52 | 10 | <10 |
| L179457 | | 2.93 | 1150 | <1 | 2.28 | 16 | 1950 | 4 | 0.01 | 10 | 28 | 702 | <20 | 0.58 | 10 | <10 |
| L179458 | | 2.39 | 1045 | <1 | 3.73 | 50 | 1420 | 29 | 0.09 | 12 | 18 | 950 | <20 | 0.34 | <10 | <10 |
| L179459 | | 1.66 | 571 | <1 | 2.96 | 58 | 770 | 18 | 0.39 | 7 | 9 | 692 | <20 | 0.22 | <10 | <10 |
| L179460 | | 0.61 | 539 | <1 | 3.35 | 13 | 570 | 15 | 1.16 | 35 | 5 | 348 | <20 | 0.17 | <10 | <10 |
| L179461 | | 4.60 | 953 | <1 | 1.87 | 230 | 900 | 2 | 0.28 | <5 | 23 | 141 | <20 | 0.42 | <10 | <10 |
| L179462 | | 2.17 | 1105 | <1 | 2.02 | 64 | 1340 | 12 | 0.17 | 6 | 15 | 600 | <20 | 0.38 | <10 | <10 |
| L179463 | | 2.28 | 1055 | <1 | 2.69 | 47 | 1500 | 13 | 0.06 | 11 | 23 | 440 | <20 | 0.47 | <10 | <10 |
| L179464 | | 3.07 | 1170 | <1 | 3.91 | 36 | 1780 | 17 | 0.03 | 10 | 25 | 964 | <20 | 0.51 | <10 | <10 |
| L179465 | | 1.76 | 828 | <1 | 3.60 | 49 | 870 | 11 | 0.14 | 10 | 13 | 758 | <20 | 0.25 | <10 | <10 |
| L179466 | | 2.00 | 480 | <1 | 3.28 | 84 | 1110 | 33 | 0.01 | 7 | 6 | 346 | <20 | 0.60 | 10 | <10 |
| L179467 | | 2.97 | 1310 | <1 | 1.29 | 29 | 1540 | 11 | 0.01 | <5 | 26 | 758 | <20 | 0.50 | <10 | <10 |
| L179468 | | 2.88 | 698 | <1 | 2.89 | 241 | 1000 | 3 | 0.03 | 8 | 24 | 398 | <20 | 0.38 | <10 | <10 |

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

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**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|---|---|---|---|---|
| L179429 | | 90 | 10 | 48 |
| L179430 | | 243 | <10 | 87 |
| L179431 | | 128 | 10 | 71 |
| L179432 | | 329 | <10 | 92 |
| L179433 | | 77 | <10 | 48 |
| L179434 | | 329 | <10 | 470 |
| L179435 | | 217 | 10 | 44 |
| L179436 | | 309 | <10 | 103 |
| L179437 | | 311 | 10 | 94 |
| L179438 | | 238 | 10 | 104 |
| L179439 | | 161 | <10 | 83 |
| L179440 | | 209 | <10 | 155 |
| L179441 | | 65 | 10 | 44 |
| L179442 | | 212 | <10 | 111 |
| L179443 | | 158 | <10 | 85 |
| L179444 | | 236 | <10 | 130 |
| L179445 | | 261 | <10 | 132 |
| L179446 | | 218 | <10 | 123 |
| L179447 | | 278 | <10 | 96 |
| L179448 | | 130 | <10 | 43 |
| L179449 | | 245 | <10 | 127 |
| L179450 | | 189 | <10 | 114 |
| L179451 | | 228 | <10 | 118 |
| L179452 | | 274 | <10 | 163 |
| L179453 | | 119 | <10 | 101 |
| L179454 | | 95 | <10 | 83 |
| L179455 | | 207 | <10 | 124 |
| L179456 | | 221 | <10 | 111 |
| L179457 | | 238 | <10 | 138 |
| L179458 | | 155 | <10 | 90 |
| L179459 | | 77 | 10 | 72 |
| L179460 | | 68 | 10 | 50 |
| L179461 | | 173 | <10 | 110 |
| L179462 | | 125 | <10 | 96 |
| L179463 | | 183 | <10 | 120 |
| L179464 | | 200 | <10 | 107 |
| L179465 | | 112 | <10 | 107 |
| L179466 | | 77 | <10 | 47 |
| L179467 | | 219 | <10 | 125 |
| L179468 | | 181 | <10 | 89 |

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| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | K | La |
| | Units | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | % | ppm |
| | LOR | 0.5 | 0.01 | 5 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 | 0.01 | 10 |
| L179469 | | <0.5 | 7.42 | 18 | 1870 | 1.6 | <2 | 2.19 | <0.5 | 23 | 69 | 56 | 4.08 | 20 | 1.32 | 90 |
| L179470 | | <0.5 | 7.06 | <5 | 1260 | 1.2 | <2 | 2.73 | <0.5 | 16 | 127 | 25 | 3.15 | 20 | 2.25 | 20 |
| L179471 | | <0.5 | 6.12 | <5 | 1640 | 1.1 | <2 | 4.43 | <0.5 | 28 | 359 | 20 | 4.73 | 20 | 1.63 | 50 |
| L179472 | | <0.5 | 5.30 | 5 | 100 | <0.5 | <2 | 5.42 | <0.5 | 69 | 953 | 58 | 7.94 | 10 | 0.18 | <10 |
| L179473 | | <0.5 | 7.34 | 7 | 70 | 1.3 | <2 | 7.74 | <0.5 | 55 | 105 | 182 | 8.69 | 20 | 0.32 | <10 |
| L179474 | | <0.5 | 7.40 | <5 | 1360 | 1.4 | <2 | 2.28 | <0.5 | 13 | 96 | 17 | 2.59 | 20 | 1.50 | 20 |
| L179475 | | <0.5 | 6.81 | <5 | 2120 | 1.6 | <2 | 5.21 | <0.5 | 24 | 265 | 54 | 4.87 | 20 | 2.75 | 50 |
| L179476 | | <0.5 | 8.07 | 9 | 1860 | 3.0 | <2 | 1.50 | <0.5 | 7 | 35 | 35 | 2.48 | 20 | 3.49 | 40 |
| L179477 | | <0.5 | 7.64 | 29 | 440 | 0.6 | <2 | 5.01 | 0.5 | 49 | 110 | 125 | 9.73 | 20 | 1.27 | <10 |
| L179478 | | <0.5 | 7.01 | <5 | 2220 | 1.9 | <2 | 3.08 | <0.5 | 22 | 86 | 58 | 4.27 | 20 | 3.37 | 40 |
| L179479 | | <0.5 | 3.27 | 9 | 20 | <0.5 | <2 | 2.70 | <0.5 | 91 | 1660 | 40 | 7.39 | 10 | 0.04 | <10 |
| L179480 | | <0.5 | 4.43 | <5 | 10 | <0.5 | <2 | 4.91 | <0.5 | 90 | 6170 | 29 | 8.48 | 10 | 0.02 | <10 |
| L179481 | | <0.5 | 6.85 | 5 | 1150 | 1.5 | <2 | 4.79 | <0.5 | 35 | 352 | 36 | 5.34 | 20 | 1.66 | 30 |
| L179482 | | <0.5 | 6.46 | <5 | 80 | <0.5 | <2 | 6.55 | <0.5 | 53 | 96 | 112 | 9.42 | 20 | 0.57 | <10 |
| L179483 | | <0.5 | 6.48 | <5 | 120 | <0.5 | <2 | 6.69 | 0.5 | 55 | 461 | 101 | 9.02 | 20 | 0.64 | <10 |
| L179484 | | <0.5 | 6.63 | <5 | 100 | <0.5 | <2 | 3.85 | <0.5 | 47 | 16 | 72 | 8.91 | 20 | 0.25 | 10 |
| L179485 | | <0.5 | 6.85 | <5 | 20 | <0.5 | <2 | 7.74 | 0.5 | 49 | 150 | 97 | 7.97 | 10 | 0.11 | <10 |
| L179486 | | <0.5 | 6.15 | <5 | 150 | <0.5 | 2 | 5.31 | <0.5 | 60 | 818 | 31 | 7.69 | 20 | 0.39 | <10 |
| L179487 | | <0.5 | 4.78 | 14 | 20 | <0.5 | <2 | 5.43 | <0.5 | 39 | 442 | 41 | 5.73 | 10 | 0.14 | <10 |
| L179488 | | <0.5 | 6.81 | <5 | 90 | <0.5 | <2 | 5.16 | <0.5 | 54 | 92 | 103 | 9.77 | 20 | 0.32 | <10 |
| L179489 | | <0.5 | 7.95 | 9 | 920 | 1.3 | <2 | 3.70 | <0.5 | 16 | 51 | 24 | 2.95 | 20 | 2.25 | 20 |
| L179490 | | <0.5 | 5.27 | 5 | 70 | <0.5 | 2 | 4.13 | 0.5 | 68 | 953 | 82 | 8.19 | 10 | 0.37 | <10 |
| L179491 | | <0.5 | 7.33 | 9 | 60 | <0.5 | <2 | 5.14 | <0.5 | 43 | 225 | 114 | 6.93 | 20 | 0.09 | <10 |
| L179492 | | <0.5 | 7.15 | 21 | 570 | 1.2 | <2 | 2.57 | <0.5 | 29 | 212 | 37 | 5.37 | 20 | 2.22 | 20 |
| L174577 | | <0.5 | 7.65 | <5 | 130 | 0.5 | <2 | 3.29 | <0.5 | 32 | 125 | 59 | 6.61 | 20 | 1.56 | <10 |
| L174578 | | <0.5 | 7.90 | 5 | 160 | 0.8 | <2 | 2.61 | <0.5 | 28 | 133 | 63 | 5.29 | 20 | 2.69 | 10 |
| L174579 | | <0.5 | 2.48 | 14 | 150 | 0.9 | 2 | 10.80 | 0.5 | 38 | 67 | 47 | 6.29 | 10 | 1.22 | 10 |
| L174580 | | <0.5 | 6.74 | 5 | 220 | <0.5 | <2 | 3.24 | <0.5 | 39 | 188 | 4 | 8.65 | 20 | 1.36 | <10 |
| L174581 | | <0.5 | 3.52 | 16 | 100 | 0.8 | <2 | 7.92 | <0.5 | 43 | 288 | 507 | 5.89 | 10 | 1.81 | 10 |
| L174582 | | <0.5 | 8.08 | 8 | 60 | 0.5 | <2 | 0.84 | <0.5 | 40 | 233 | 1 | 5.09 | 30 | 0.72 | <10 |
| L174583 | | <0.5 | 8.88 | <5 | 830 | 1.2 | <2 | 0.60 | <0.5 | 17 | 29 | 3 | 5.53 | 20 | 1.63 | 10 |
| L174584 | | <0.5 | 5.97 | <5 | 300 | 0.6 | <2 | 2.58 | <0.5 | 23 | 14 | 10 | 7.01 | 20 | 0.88 | 20 |
| L174585 | | <0.5 | 7.91 | 6 | 440 | 0.7 | <2 | 0.75 | <0.5 | 15 | 36 | 20 | 4.18 | 20 | 1.43 | 10 |
| L174586 | | <0.5 | 7.03 | <5 | 200 | 0.6 | <2 | 3.46 | <0.5 | 10 | 7 | 1 | 3.61 | 20 | 0.66 | 10 |
| L174587 | | <0.5 | 6.49 | <5 | 530 | 1.0 | <2 | 2.16 | <0.5 | 10 | 39 | 23 | 3.59 | 20 | 1.55 | 10 |
| L174588 | | <0.5 | 7.73 | 6 | 230 | 0.7 | <2 | 3.97 | <0.5 | 34 | 148 | 13 | 4.62 | 20 | 3.05 | <10 |
| L174589 | | <0.5 | 7.74 | <5 | 280 | 0.6 | <2 | 2.53 | <0.5 | 4 | 12 | 2 | 1.34 | 20 | 0.90 | <10 |
| L174590 | | <0.5 | 6.93 | <5 | 1670 | 1.8 | <2 | 2.70 | <0.5 | 22 | 83 | 69 | 5.11 | 20 | 5.00 | 20 |
| L174591 | | <0.5 | 7.33 | 11 | 810 | 1.3 | <2 | 0.18 | <0.5 | 21 | 18 | 2180 | 11.50 | 20 | 3.90 | 10 |
| L174592 | | <0.5 | 8.20 | <5 | 480 | 1.2 | <2 | 2.07 | <0.5 | 24 | 114 | 6 | 6.35 | 20 | 1.61 | 20 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **OSISKO MINING LTD.**
**P.O. BOX 996**
**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th | Ti | Tl | U |
| | Units | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 5 | 1 | 1 | 20 | 0.01 | 10 | 10 |
| L179469 | | 1.42 | 1075 | <1 | 4.30 | 35 | 2380 | 5 | 0.33 | 12 | 11 | 664 | 20 | 0.34 | <10 | <10 |
| L179470 | | 2.09 | 516 | <1 | 3.20 | 67 | 880 | 19 | 0.06 | 7 | 9 | 878 | <20 | 0.28 | 10 | <10 |
| L179471 | | 4.74 | 945 | <1 | 2.38 | 132 | 2100 | 4 | 0.06 | 6 | 17 | 750 | <20 | 0.31 | 10 | <10 |
| L179472 | | 9.89 | 1395 | <1 | 1.19 | 502 | 200 | <2 | 0.04 | <5 | 31 | 92 | <20 | 0.30 | <10 | <10 |
| L179473 | | 3.39 | 1775 | <1 | 1.97 | 81 | 320 | 7 | 0.39 | 6 | 43 | 205 | <20 | 0.48 | 10 | <10 |
| L179474 | | 1.75 | 458 | <1 | 4.23 | 40 | 840 | 10 | 0.19 | 5 | 8 | 738 | <20 | 0.26 | <10 | <10 |
| L179475 | | 3.52 | 980 | <1 | 3.03 | 86 | 1840 | 12 | 0.41 | <5 | 17 | 1230 | <20 | 0.38 | <10 | <10 |
| L179476 | | 0.87 | 565 | 2 | 3.97 | 10 | 860 | 26 | 0.41 | 6 | 5 | 1055 | <20 | 0.18 | <10 | <10 |
| L179477 | | 2.97 | 2190 | <1 | 2.12 | 77 | 470 | 15 | 1.29 | 5 | 44 | 284 | <20 | 0.72 | <10 | <10 |
| L179478 | | 2.44 | 702 | <1 | 3.34 | 42 | 1730 | 17 | 0.24 | 5 | 13 | 1005 | <20 | 0.31 | <10 | <10 |
| L179479 | | 15.80 | 897 | <1 | 0.07 | 1385 | 100 | <2 | 0.03 | <5 | 22 | 70 | <20 | 0.19 | <10 | <10 |
| L179480 | | 12.95 | 1445 | <1 | 0.09 | 782 | 130 | <2 | 0.01 | <5 | 30 | 9 | <20 | 0.26 | <10 | <10 |
| L179481 | | 4.95 | 857 | <1 | 2.77 | 187 | 1860 | 5 | 0.10 | 5 | 19 | 709 | <20 | 0.42 | <10 | <10 |
| L179482 | | 3.90 | 1370 | 2 | 1.50 | 75 | 280 | 3 | 0.17 | <5 | 39 | 171 | <20 | 0.48 | 10 | <10 |
| L179483 | | 6.13 | 1540 | <1 | 1.24 | 136 | 220 | <2 | 0.19 | 5 | 43 | 175 | <20 | 0.44 | <10 | <10 |
| L179484 | | 5.65 | 1495 | <1 | 2.69 | 54 | 480 | <2 | <0.01 | 7 | 40 | 134 | <20 | 0.58 | <10 | <10 |
| L179485 | | 4.45 | 1320 | <1 | 1.85 | 94 | 200 | <2 | 0.15 | 5 | 38 | 46 | <20 | 0.38 | 10 | <10 |
| L179486 | | 8.51 | 1345 | <1 | 1.47 | 399 | 210 | <2 | <0.01 | 7 | 35 | 97 | <20 | 0.37 | 10 | <10 |
| L179487 | | 5.34 | 1005 | <1 | 0.56 | 201 | 150 | <2 | 0.01 | 6 | 24 | 113 | <20 | 0.25 | <10 | <10 |
| L179488 | | 4.22 | 1425 | <1 | 2.57 | 67 | 260 | <2 | 0.06 | 7 | 41 | 115 | <20 | 0.52 | 10 | <10 |
| L179489 | | 1.69 | 616 | <1 | 3.64 | 32 | 780 | 7 | 0.56 | 11 | 11 | 583 | <20 | 0.27 | 10 | <10 |
| L179490 | | 8.67 | 1180 | <1 | 0.44 | 328 | 190 | <2 | 0.01 | 9 | 36 | 109 | <20 | 0.35 | 10 | <10 |
| L179491 | | 3.36 | 1445 | <1 | 2.32 | 85 | 200 | <2 | 0.09 | <5 | 39 | 151 | <20 | 0.47 | <10 | <10 |
| L179492 | | 2.53 | 854 | <1 | 2.33 | 137 | 1040 | 3 | 0.21 | 7 | 16 | 311 | <20 | 0.36 | 10 | <10 |
| L174577 | | 2.73 | 708 | 1 | 2.78 | 69 | 450 | <2 | 0.01 | 9 | 28 | 88 | <20 | 0.62 | <10 | <10 |
| L174578 | | 2.57 | 466 | 18 | 1.95 | 84 | 440 | 2 | 0.19 | 6 | 27 | 85 | <20 | 0.50 | 10 | <10 |
| L174579 | | 5.53 | 1850 | 18 | 0.03 | 58 | 260 | <2 | 0.22 | <5 | 14 | 321 | <20 | 0.20 | <10 | <10 |
| L174580 | | 4.17 | 655 | 10 | 2.47 | 104 | 430 | <2 | <0.01 | 8 | 34 | 97 | <20 | 0.76 | 10 | <10 |
| L174581 | | 4.15 | 981 | 46 | 0.03 | 220 | 130 | <2 | 0.05 | 13 | 10 | 360 | <20 | 0.10 | <10 | <10 |
| L174582 | | 3.00 | 789 | <1 | 4.32 | 75 | 760 | <2 | <0.01 | 5 | 35 | 95 | <20 | 0.56 | <10 | <10 |
| L174583 | | 1.42 | 887 | <1 | 2.89 | 15 | 1080 | 3 | <0.01 | <5 | 16 | 141 | <20 | 0.43 | <10 | <10 |
| L174584 | | 2.00 | 1505 | <1 | 0.42 | 16 | 690 | 13 | <0.01 | <5 | 10 | 77 | <20 | 0.24 | <10 | <10 |
| L174585 | | 1.03 | 1005 | <1 | 2.62 | 31 | 830 | 4 | 0.10 | <5 | 13 | 142 | <20 | 0.31 | <10 | <10 |
| L174586 | | 0.88 | 1440 | <1 | 2.47 | 9 | 760 | 2 | <0.01 | <5 | 11 | 236 | <20 | 0.28 | <10 | <10 |
| L174587 | | 0.96 | 990 | <1 | 1.42 | 21 | 750 | <2 | 0.01 | <5 | 11 | 126 | <20 | 0.25 | <10 | <10 |
| L174588 | | 2.22 | 518 | <1 | 1.79 | 92 | 460 | <2 | 0.02 | <5 | 31 | 106 | <20 | 0.59 | 10 | <10 |
| L174589 | | 0.45 | 222 | <1 | 3.78 | 3 | 290 | 2 | <0.01 | <5 | 2 | 487 | <20 | 0.13 | <10 | <10 |
| L174590 | | 2.23 | 579 | 36 | 1.56 | 34 | 1810 | 3 | 0.07 | <5 | 16 | 280 | <20 | 0.34 | <10 | <10 |
| L174591 | | 1.18 | 163 | 262 | 0.17 | 139 | 690 | <2 | 0.39 | 8 | 15 | 23 | <20 | 0.18 | <10 | <10 |
| L174592 | | 1.57 | 1160 | <1 | 1.98 | 59 | 1200 | <2 | <0.01 | <5 | 15 | 147 | <20 | 0.40 | <10 | <10 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **OSISKO MINING LTD.**
**P.O. BOX 996**
**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|---|---|---|---|---|
| L179469 | | 97 | 10 | 99 |
| L179470 | | 80 | <10 | 90 |
| L179471 | | 120 | <10 | 92 |
| L179472 | | 199 | <10 | 103 |
| L179473 | | 297 | <10 | 112 |
| L179474 | | 67 | <10 | 66 |
| L179475 | | 132 | <10 | 102 |
| L179476 | | 57 | <10 | 48 |
| L179477 | | 333 | <10 | 120 |
| L179478 | | 113 | <10 | 94 |
| L179479 | | 130 | <10 | 61 |
| L179480 | | 191 | <10 | 134 |
| L179481 | | 142 | <10 | 87 |
| L179482 | | 271 | 10 | 90 |
| L179483 | | 269 | <10 | 113 |
| L179484 | | 304 | <10 | 80 |
| L179485 | | 239 | <10 | 81 |
| L179486 | | 228 | <10 | 82 |
| L179487 | | 159 | <10 | 66 |
| L179488 | | 289 | 20 | 97 |
| L179489 | | 101 | 10 | 54 |
| L179490 | | 219 | <10 | 92 |
| L179491 | | 297 | <10 | 80 |
| L179492 | | 139 | <10 | 78 |
| L174577 | | 247 | <10 | 49 |
| L174578 | | 229 | 50 | 70 |
| L174579 | | 208 | 50 | 63 |
| L174580 | | 337 | 50 | 45 |
| L174581 | | 107 | 20 | 30 |
| L174582 | | 273 | 10 | 85 |
| L174583 | | 164 | <10 | 106 |
| L174584 | | 87 | <10 | 141 |
| L174585 | | 100 | <10 | 84 |
| L174586 | | 82 | <10 | 111 |
| L174587 | | 80 | <10 | 81 |
| L174588 | | 229 | <10 | 32 |
| L174589 | | 18 | <10 | 47 |
| L174590 | | 177 | 60 | 47 |
| L174591 | | 136 | 20 | 24 |
| L174592 | | 160 | <10 | 98 |

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

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**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method / Analyte / Units / LOR | ME-ICP61 Ag ppm 0.5 | ME-ICP61 Al % 0.01 | ME-ICP61 As ppm 5 | ME-ICP61 Ba ppm 10 | ME-ICP61 Be ppm 0.5 | ME-ICP61 Bi ppm 2 | ME-ICP61 Ca % 0.01 | ME-ICP61 Cd ppm 0.5 | ME-ICP61 Co ppm 1 | ME-ICP61 Cr ppm 1 | ME-ICP61 Cu ppm 1 | ME-ICP61 Fe % 0.01 | ME-ICP61 Ga ppm 10 | ME-ICP61 K % 0.01 | ME-ICP61 La ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L174593 | | <0.5 | 7.00 | 6 | 1290 | 1.8 | <2 | 2.50 | <0.5 | 15 | 129 | 19 | 3.17 | 20 | 2.33 | 20 |
| L174594 | | <0.5 | 7.57 | 6 | 370 | 1.9 | <2 | 1.12 | <0.5 | 18 | 134 | 3 | 3.53 | 20 | 2.58 | 30 |
| L174595 | | <0.5 | 7.63 | <5 | 930 | 1.4 | <2 | 3.82 | <0.5 | 19 | 30 | 29 | 3.77 | 20 | 1.81 | 20 |
| L174596 | | <0.5 | 7.51 | 6 | 30 | <0.5 | <2 | 5.32 | 0.5 | 46 | 157 | 117 | 9.76 | 20 | 0.03 | 10 |
| L174597 | | <0.5 | 6.81 | 14 | 150 | 0.5 | <2 | 4.74 | <0.5 | 35 | 191 | 5 | 7.53 | 20 | 1.17 | <10 |
| L174598 | | <0.5 | 7.63 | 10 | 20 | <0.5 | <2 | 6.66 | <0.5 | 32 | 161 | 324 | 7.52 | 20 | 0.03 | 10 |
| L174599 | | <0.5 | 7.82 | <5 | 130 | 4.4 | <2 | 2.56 | <0.5 | 21 | 71 | 35 | 3.41 | 30 | 4.25 | 10 |
| L174600 | | <0.5 | 7.16 | 8 | 30 | <0.5 | <2 | 4.02 | <0.5 | 56 | 154 | 107 | 10.45 | 20 | 0.04 | <10 |
| L174601 | | <0.5 | 7.24 | 9 | 50 | 0.9 | 2 | 6.68 | <0.5 | 46 | 182 | 95 | 9.01 | 20 | 0.23 | <10 |
| L174602 | | <0.5 | 7.46 | 16 | 90 | 0.5 | <2 | 6.53 | 0.5 | 51 | 192 | 99 | 9.41 | 20 | 0.25 | <10 |
| L174603 | | <0.5 | 6.80 | <5 | 70 | <0.5 | <2 | 6.20 | <0.5 | 43 | 173 | 83 | 8.14 | 20 | 0.17 | <10 |
| L174604 | | <0.5 | 6.80 | 13 | 30 | <0.5 | <2 | 8.54 | 0.5 | 45 | 164 | 105 | 8.85 | 20 | 0.12 | 10 |
| L174605 | | <0.5 | 6.32 | 18 | 100 | <0.5 | <2 | 5.36 | <0.5 | 40 | 127 | 69 | 8.27 | 20 | 0.17 | <10 |
| L174606 | | <0.5 | 7.34 | 7 | 80 | 0.6 | <2 | 5.99 | <0.5 | 50 | 184 | 219 | 9.57 | 20 | 0.40 | <10 |
| L174607 | | <0.5 | 7.26 | <5 | 110 | <0.5 | <2 | 7.47 | 0.5 | 50 | 70 | 140 | 7.99 | 20 | 0.45 | 10 |
| L174608 | | <0.5 | 7.11 | 60 | 910 | 1.2 | <2 | 1.97 | <0.5 | 23 | 74 | 68 | 5.01 | 20 | 2.33 | 10 |
| L174609 | | <0.5 | 7.17 | 69 | 430 | 0.6 | <2 | 4.93 | <0.5 | 24 | 168 | 131 | 5.79 | 20 | 1.53 | 10 |
| L174610 | | <0.5 | 6.65 | <5 | 80 | <0.5 | <2 | 4.86 | <0.5 | 45 | 131 | 78 | 9.81 | 20 | 0.43 | <10 |
| L174611 | | <0.5 | 6.56 | <5 | 60 | <0.5 | <2 | 3.81 | <0.5 | 40 | 113 | 85 | 8.16 | 20 | 0.17 | 10 |
| L174612 | | <0.5 | 7.29 | 17 | 20 | <0.5 | <2 | 5.80 | <0.5 | 34 | 207 | 75 | 7.44 | 20 | 0.01 | <10 |
| L174613 | | <0.5 | 7.11 | 8 | 20 | <0.5 | <2 | 5.19 | <0.5 | 40 | 158 | 101 | 7.16 | 20 | 0.02 | <10 |
| L174614 | | <0.5 | 6.82 | 7 | 30 | 2.1 | <2 | 7.17 | <0.5 | 25 | 75 | 45 | 4.99 | 20 | 0.07 | 10 |
| L174615 | | <0.5 | 7.46 | 5 | 50 | <0.5 | <2 | 7.40 | <0.5 | 35 | 193 | 145 | 7.92 | 20 | 0.02 | <10 |
| L174616 | | <0.5 | 7.40 | <5 | 100 | <0.5 | <2 | 4.15 | <0.5 | 31 | 118 | 30 | 5.85 | 20 | 0.35 | 10 |
| L174617 | | <0.5 | 6.70 | 6 | 20 | <0.5 | <2 | 4.05 | <0.5 | 66 | 52 | 75 | 12.80 | 20 | 0.01 | <10 |
| L174618 | | <0.5 | 8.01 | <5 | 210 | 0.5 | <2 | 5.47 | <0.5 | 34 | 213 | 71 | 7.05 | 20 | 0.54 | 10 |
| L178624 | | <0.5 | 7.04 | 10 | 2640 | 2.1 | <2 | 5.08 | <0.5 | 22 | 67 | 125 | 4.80 | 20 | 1.72 | 50 |
| L178625 | | 0.5 | 7.31 | 30 | 3830 | 13.3 | <2 | 1.76 | <0.5 | 32 | 20 | 190 | 9.97 | 30 | 3.66 | 300 |
| L178626 | | <0.5 | 6.27 | 5 | 1310 | 5.5 | <2 | 4.97 | <0.5 | 19 | 155 | 108 | 5.85 | 20 | 4.22 | 120 |
| L178627 | | <0.5 | 5.89 | 12 | 1420 | 2.2 | <2 | 4.30 | <0.5 | 25 | 242 | 62 | 5.12 | 20 | 2.95 | 60 |
| L178628 | | <0.5 | 9.50 | 19 | 3690 | 5.0 | <2 | 0.83 | <0.5 | 8 | 3 | 37 | 3.05 | 20 | 5.15 | 50 |
| L178629 | | <0.5 | 6.16 | 154 | 1140 | 1.5 | <2 | 0.51 | <0.5 | 38 | 373 | 68 | 9.47 | 20 | 2.39 | 30 |
| L178630 | | <0.5 | 7.06 | 5 | 1420 | 1.4 | <2 | 5.27 | <0.5 | 21 | 112 | 167 | 5.37 | 20 | 3.38 | 40 |
| L178631 | | <0.5 | 6.51 | 24 | 1230 | 1.9 | <2 | 4.47 | <0.5 | 27 | 103 | 54 | 4.83 | 20 | 2.80 | 30 |
| L178632 | | <0.5 | 6.64 | <5 | 1950 | 2.0 | <2 | 2.57 | <0.5 | 10 | 45 | 16 | 2.62 | 20 | 2.41 | 30 |
| L178633 | | <0.5 | 7.83 | <5 | 150 | 3.9 | <2 | 2.60 | <0.5 | 22 | 81 | 44 | 3.48 | 20 | 4.38 | 10 |
| L178634 | | <0.5 | 6.10 | 6 | 710 | 1.2 | <2 | 4.02 | <0.5 | 18 | 123 | 29 | 3.71 | 20 | 2.00 | 20 |
| L178635 | | <0.5 | 7.03 | 8 | 1700 | 2.7 | <2 | 4.80 | <0.5 | 25 | 78 | 45 | 5.30 | 20 | 3.89 | 80 |
| L178636 | | <0.5 | 8.09 | 7 | 5630 | 1.8 | <2 | 2.21 | <0.5 | 7 | 15 | 8 | 2.37 | 10 | 1.96 | 30 |
| L178637 | | <0.5 | 6.45 | 49 | 5510 | 5.6 | <2 | 4.44 | <0.5 | 26 | 58 | 143 | 6.50 | 20 | 2.95 | 150 |

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

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**Finalized Date: 10-JUN-2014**
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Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th | Ti | Tl | U |
| | Units | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 5 | 1 | 1 | 20 | 0.01 | 10 | 10 |
| L174593 | | 1.40 | 627 | <1 | 3.07 | 35 | 1130 | 10 | 0.05 | 5 | 11 | 442 | <20 | 0.23 | <10 | <10 |
| L174594 | | 1.13 | 615 | <1 | 2.92 | 37 | 1230 | 5 | 0.03 | 6 | 12 | 204 | <20 | 0.17 | 10 | <10 |
| L174595 | | 1.86 | 650 | <1 | 2.23 | 20 | 1310 | <2 | <0.01 | <5 | 11 | 257 | <20 | 0.30 | 10 | <10 |
| L174596 | | 3.91 | 1460 | <1 | 1.99 | 74 | 450 | <2 | 0.12 | <5 | 41 | 396 | <20 | 0.83 | <10 | <10 |
| L174597 | | 3.73 | 1125 | <1 | 1.45 | 94 | 340 | 3 | 0.04 | <5 | 35 | 169 | <20 | 0.52 | <10 | <10 |
| L174598 | | 3.01 | 1400 | <1 | 3.32 | 79 | 430 | 8 | 0.14 | <5 | 41 | 109 | <20 | 0.72 | <10 | <10 |
| L174599 | | 1.98 | 480 | <1 | 3.44 | 79 | 1150 | 38 | 0.01 | <5 | 6 | 322 | <20 | 0.59 | <10 | <10 |
| L174600 | | 3.76 | 1830 | <1 | 1.75 | 106 | 700 | <2 | 0.11 | <5 | 42 | 124 | <20 | 1.09 | <10 | <10 |
| L174601 | | 3.25 | 1980 | <1 | 0.87 | 102 | 440 | 2 | 0.05 | <5 | 39 | 184 | <20 | 0.79 | 10 | <10 |
| L174602 | | 3.60 | 1595 | <1 | 1.64 | 109 | 470 | <2 | 0.12 | <5 | 41 | 156 | <20 | 0.83 | <10 | <10 |
| L174603 | | 2.80 | 1405 | <1 | 1.46 | 99 | 420 | <2 | 0.04 | <5 | 36 | 178 | <20 | 0.74 | <10 | <10 |
| L174604 | | 3.17 | 1555 | <1 | 1.23 | 108 | 420 | <2 | 0.11 | <5 | 37 | 129 | <20 | 0.74 | <10 | <10 |
| L174605 | | 2.04 | 1505 | <1 | 1.37 | 80 | 500 | <2 | 0.11 | <5 | 36 | 210 | <20 | 0.89 | <10 | <10 |
| L174606 | | 4.15 | 1520 | <1 | 1.52 | 108 | 460 | <2 | 0.14 | <5 | 39 | 124 | <20 | 0.78 | <10 | <10 |
| L174607 | | 4.28 | 1315 | <1 | 1.50 | 111 | 320 | 2 | 0.09 | <5 | 35 | 167 | <20 | 0.48 | <10 | <10 |
| L174608 | | 0.71 | 931 | <1 | 1.42 | 29 | 780 | 2 | 0.23 | <5 | 22 | 202 | <20 | 0.41 | <10 | <10 |
| L174609 | | 1.53 | 1045 | <1 | 1.24 | 66 | 380 | <2 | 0.71 | 5 | 37 | 290 | <20 | 0.26 | <10 | <10 |
| L174610 | | 4.72 | 1490 | <1 | 2.02 | 79 | 1140 | <2 | 0.05 | <5 | 42 | 93 | <20 | 1.01 | <10 | <10 |
| L174611 | | 3.54 | 1090 | <1 | 1.82 | 69 | 410 | <2 | 0.12 | <5 | 33 | 93 | <20 | 0.53 | 10 | <10 |
| L174612 | | 4.80 | 1230 | <1 | 1.43 | 102 | 220 | <2 | 0.02 | <5 | 37 | 225 | <20 | 0.43 | <10 | <10 |
| L174613 | | 3.53 | 1355 | <1 | 2.02 | 60 | 250 | <2 | 0.08 | <5 | 41 | 146 | <20 | 0.51 | <10 | <10 |
| L174614 | | 2.41 | 3470 | <1 | 0.53 | 110 | 540 | 2 | <0.01 | <5 | 18 | 66 | <20 | 0.41 | <10 | <10 |
| L174615 | | 4.03 | 1215 | <1 | 0.79 | 74 | 210 | <2 | 0.03 | <5 | 43 | 495 | <20 | 0.49 | <10 | <10 |
| L174616 | | 2.11 | 1030 | <1 | 2.20 | 140 | 870 | <2 | 0.07 | <5 | 22 | 62 | <20 | 0.79 | <10 | 10 |
| L174617 | | 3.25 | 2690 | <1 | 1.10 | 43 | 570 | 4 | 0.38 | 5 | 40 | 60 | <20 | 1.11 | <10 | <10 |
| L174618 | | 3.67 | 1200 | <1 | 0.86 | 103 | 600 | 2 | 0.01 | <5 | 29 | 492 | <20 | 0.67 | <10 | <10 |
| L178624 | | 1.80 | 1250 | <1 | 4.46 | 17 | 1850 | 18 | 0.07 | 12 | 11 | 1495 | <20 | 0.33 | <10 | <10 |
| L178625 | | 1.19 | 3020 | 31 | 1.58 | 20 | 6370 | 112 | 0.73 | 10 | 9 | 2360 | 70 | 0.36 | <10 | 10 |
| L178626 | | 2.78 | 1255 | <1 | 0.58 | 62 | 2340 | 31 | 0.03 | 5 | 16 | 1495 | 30 | 0.40 | <10 | <10 |
| L178627 | | 2.60 | 1165 | <1 | 2.01 | 103 | 1560 | 6 | 0.21 | <5 | 21 | 1465 | <20 | 0.34 | <10 | <10 |
| L178628 | | 0.33 | 955 | <1 | 2.50 | 1 | 1840 | 16 | 0.04 | 24 | 2 | 702 | 20 | 0.22 | <10 | <10 |
| L178629 | | 0.63 | 2130 | <1 | 0.37 | 178 | 1370 | 45 | 0.41 | 12 | 17 | 280 | <20 | 0.07 | <10 | <10 |
| L178630 | | 1.87 | 1020 | <1 | 2.93 | 34 | 1590 | 11 | 0.02 | 5 | 20 | 1000 | <20 | 0.37 | <10 | <10 |
| L178631 | | 1.89 | 1050 | <1 | 1.26 | 24 | 1480 | 13 | 0.27 | <5 | 21 | 855 | <20 | 0.28 | <10 | <10 |
| L178632 | | 1.14 | 599 | <1 | 2.83 | 20 | 980 | 8 | 0.01 | 5 | 6 | 856 | <20 | 0.23 | <10 | <10 |
| L178633 | | 2.02 | 497 | <1 | 3.37 | 83 | 1130 | 35 | 0.01 | <5 | 6 | 347 | <20 | 0.61 | <10 | <10 |
| L178634 | | 2.01 | 831 | <1 | 1.94 | 57 | 690 | <2 | 0.04 | <5 | 12 | 385 | <20 | 0.24 | <10 | <10 |
| L178635 | | 2.35 | 1090 | <1 | 2.59 | 22 | 2340 | 21 | 0.01 | 13 | 17 | 1820 | 20 | 0.36 | <10 | <10 |
| L178636 | | 0.39 | 1005 | <1 | 6.12 | <1 | 1800 | 12 | 0.17 | 9 | 2 | 2100 | 20 | 0.16 | <10 | <10 |
| L178637 | | 2.93 | 1095 | <1 | 3.11 | 23 | 3620 | 16 | 0.14 | 7 | 19 | 2450 | 40 | 0.53 | 10 | <10 |

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

ALS Canada Ltd.
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To: **OSISKO MINING LTD.**
**P.O. BOX 996**
**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|---|---|---|---|---|
| L174593 | | 96 | <10 | 73 |
| L174594 | | 102 | <10 | 108 |
| L174595 | | 125 | <10 | 62 |
| L174596 | | 366 | <10 | 101 |
| L174597 | | 302 | <10 | 49 |
| L174598 | | 317 | <10 | 56 |
| L174599 | | 75 | <10 | 46 |
| L174600 | | 432 | <10 | 124 |
| L174601 | | 351 | <10 | 90 |
| L174602 | | 371 | <10 | 94 |
| L174603 | | 329 | <10 | 80 |
| L174604 | | 328 | <10 | 92 |
| L174605 | | 350 | <10 | 85 |
| L174606 | | 347 | <10 | 92 |
| L174607 | | 242 | <10 | 79 |
| L174608 | | 197 | 20 | 76 |
| L174609 | | 267 | <10 | 47 |
| L174610 | | 353 | <10 | 71 |
| L174611 | | 299 | <10 | 95 |
| L174612 | | 254 | <10 | 68 |
| L174613 | | 288 | <10 | 76 |
| L174614 | | 133 | <10 | 112 |
| L174615 | | 347 | <10 | 81 |
| L174616 | | 179 | <10 | 76 |
| L174617 | | 442 | <10 | 170 |
| L174618 | | 235 | <10 | 99 |
| L178624 | | 126 | <10 | 89 |
| L178625 | | 388 | <10 | 195 |
| L178626 | | 180 | <10 | 81 |
| L178627 | | 161 | <10 | 96 |
| L178628 | | 90 | <10 | 109 |
| L178629 | | 138 | <10 | 207 |
| L178630 | | 183 | <10 | 98 |
| L178631 | | 159 | <10 | 83 |
| L178632 | | 69 | <10 | 74 |
| L178633 | | 80 | <10 | 47 |
| L178634 | | 100 | <10 | 53 |
| L178635 | | 181 | <10 | 99 |
| L178636 | | 24 | <10 | 71 |
| L178637 | | 249 | <10 | 138 |

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

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To: **OSISKO MINING LTD.**
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**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method / Analyte / Units / LOR | ME-ICP61 Ag ppm 0.5 | ME-ICP61 Al % 0.01 | ME-ICP61 As ppm 5 | ME-ICP61 Ba ppm 10 | ME-ICP61 Be ppm 0.5 | ME-ICP61 Bi ppm 2 | ME-ICP61 Ca % 0.01 | ME-ICP61 Cd ppm 0.5 | ME-ICP61 Co ppm 1 | ME-ICP61 Cr ppm 1 | ME-ICP61 Cu ppm 1 | ME-ICP61 Fe % 0.01 | ME-ICP61 Ga ppm 10 | ME-ICP61 K % 0.01 | ME-ICP61 La ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L178638 | | <0.5 | 6.49 | 24 | 870 | 2.2 | <2 | 4.58 | <0.5 | 24 | 181 | 52 | 4.70 | 20 | 2.40 | 30 |
| L178639 | | <0.5 | 7.53 | 5 | 2050 | 3.2 | <2 | 4.18 | <0.5 | 25 | 43 | 4 | 6.06 | 20 | 4.06 | 70 |
| L178640 | | <0.5 | 7.38 | <5 | 1170 | 1.7 | <2 | 2.19 | <0.5 | 13 | 48 | 1 | 3.09 | 20 | 2.10 | 20 |
| L178641 | | <0.5 | 7.27 | 13 | 700 | 1.5 | <2 | 1.49 | <0.5 | 14 | 108 | 38 | 3.36 | 20 | 2.01 | 20 |
| L178642 | | <0.5 | 7.07 | 102 | 850 | 1.8 | <2 | 3.27 | <0.5 | 39 | 374 | 239 | 5.79 | 20 | 2.26 | 30 |
| L178643 | | <0.5 | 6.22 | 67 | 590 | 1.5 | <2 | 2.86 | <0.5 | 28 | 397 | 45 | 5.21 | 20 | 2.05 | 20 |
| L178644 | | <0.5 | 7.83 | 71 | 1250 | 4.6 | <2 | 4.88 | <0.5 | 31 | 242 | 115 | 6.57 | 20 | 4.91 | 50 |
| L178645 | | <0.5 | 6.41 | 43 | 1510 | 2.7 | <2 | 4.12 | <0.5 | 29 | 146 | 100 | 5.54 | 20 | 3.56 | 40 |
| L178646 | | <0.5 | 6.60 | 37 | 2170 | 1.8 | <2 | 4.81 | <0.5 | 27 | 152 | 95 | 6.08 | 20 | 2.95 | 40 |
| L178647 | | <0.5 | 5.95 | 55 | 820 | 1.1 | <2 | 2.87 | <0.5 | 20 | 173 | 53 | 3.79 | 10 | 1.78 | 20 |
| L178648 | | <0.5 | 5.53 | 8 | 8660 | 4.1 | <2 | 5.05 | <0.5 | 19 | 118 | 7 | 5.02 | 20 | 3.39 | 90 |
| L178649 | | <0.5 | 6.38 | 5 | 1520 | 1.3 | <2 | 5.56 | <0.5 | 25 | 189 | 11 | 4.78 | 10 | 1.36 | 30 |
| L178650 | | <0.5 | 10.00 | 27 | 5410 | 5.2 | <2 | 0.44 | <0.5 | 6 | 3 | 22 | 2.95 | 20 | 5.77 | 50 |
| L178141 | | <0.5 | 7.28 | 21 | 1110 | 2.0 | <2 | 2.02 | <0.5 | 17 | 78 | 41 | 4.97 | 20 | 2.29 | 30 |
| L178142 | | <0.5 | 7.56 | 33 | 1400 | 1.7 | <2 | 3.32 | <0.5 | 19 | 81 | 9 | 4.29 | 20 | 1.78 | 60 |
| L178143 | | <0.5 | 7.48 | 22 | 3270 | 2.1 | <2 | 2.78 | <0.5 | 19 | 83 | 29 | 4.65 | 20 | 1.58 | 60 |
| L178144 | | <0.5 | 7.61 | 33 | 1290 | 1.9 | <2 | 3.52 | <0.5 | 18 | 72 | 26 | 4.34 | 20 | 2.31 | 50 |
| L178145 | | <0.5 | 6.67 | 14 | 2320 | 3.2 | <2 | 4.59 | <0.5 | 20 | 86 | 131 | 5.90 | 20 | 5.24 | 60 |
| L178146 | | <0.5 | 7.13 | 21 | 2370 | 3.5 | <2 | 4.55 | <0.5 | 27 | 93 | 92 | 6.09 | 20 | 5.04 | 70 |
| L178147 | | <0.5 | 7.28 | 27 | 1800 | 4.1 | <2 | 3.52 | <0.5 | 22 | 113 | 206 | 5.81 | 20 | 4.59 | 60 |
| L178148 | | <0.5 | 7.18 | <5 | 2120 | 4.1 | <2 | 5.29 | <0.5 | 25 | 86 | 106 | 5.78 | 20 | 4.05 | 80 |
| L178149 | | <0.5 | 9.64 | 14 | 2760 | 4.3 | <2 | 0.85 | <0.5 | 16 | 26 | 100 | 4.53 | 20 | 5.30 | 60 |
| L178150 | | <0.5 | 9.98 | 21 | 3980 | 9.0 | <2 | 1.88 | <0.5 | 11 | 4 | 128 | 3.80 | 30 | 4.86 | 50 |
| L178601 | | <0.5 | 7.35 | 29 | 3140 | 7.2 | <2 | 5.73 | <0.5 | 18 | 42 | 136 | 6.02 | 20 | 5.09 | 130 |
| L178602 | | <0.5 | 5.44 | 68 | 1080 | 1.4 | <2 | 6.12 | <0.5 | 21 | 214 | 58 | 4.78 | 10 | 2.17 | 30 |
| L178603 | | <0.5 | 6.30 | 37 | 1360 | 2.3 | <2 | 2.07 | <0.5 | 25 | 311 | 22 | 4.32 | 20 | 2.38 | 40 |
| L178604 | | <0.5 | 8.62 | 51 | 850 | 2.0 | <2 | 0.38 | <0.5 | 27 | 172 | 40 | 4.75 | 20 | 2.57 | 30 |
| L178605 | | <0.5 | 7.15 | 103 | 1130 | 1.7 | <2 | 1.03 | <0.5 | 31 | 328 | 60 | 5.13 | 20 | 2.49 | 30 |
| L178606 | | <0.5 | 6.98 | 25 | 510 | 1.0 | <2 | 1.14 | <0.5 | 19 | 137 | 15 | 4.04 | 20 | 1.61 | 20 |
| L178607 | | <0.5 | 6.74 | 6 | 2600 | 1.5 | <2 | 5.44 | <0.5 | 14 | 84 | 38 | 5.76 | 20 | 4.79 | 70 |
| L178608 | | <0.5 | 7.15 | 18 | 2390 | 3.9 | <2 | 5.55 | <0.5 | 25 | 83 | 161 | 5.84 | 20 | 4.39 | 80 |
| L178609 | | <0.5 | 7.79 | 5 | 1130 | 0.8 | <2 | 2.71 | <0.5 | 21 | 166 | 28 | 3.97 | 20 | 0.30 | 50 |
| L178610 | | <0.5 | 8.18 | 5 | 1180 | 1.9 | <2 | 1.50 | <0.5 | 25 | 296 | 124 | 4.58 | 20 | 2.02 | 40 |
| L178611 | | <0.5 | 7.12 | 8 | 1550 | 1.9 | <2 | 3.55 | <0.5 | 27 | 225 | 53 | 4.78 | 20 | 3.50 | 40 |
| L178612 | | <0.5 | 6.90 | 20 | 1890 | 3.4 | <2 | 3.71 | <0.5 | 29 | 162 | 106 | 6.42 | 20 | 5.04 | 40 |
| L178613 | | <0.5 | 6.77 | 46 | 1900 | 2.4 | <2 | 4.38 | <0.5 | 31 | 182 | 106 | 6.53 | 20 | 3.80 | 40 |
| L178614 | | <0.5 | 6.78 | 53 | 1610 | 1.9 | <2 | 1.27 | <0.5 | 19 | 172 | 59 | 3.43 | 20 | 2.72 | 40 |
| L178615 | | <0.5 | 6.32 | 38 | 1240 | 1.4 | <2 | 1.90 | <0.5 | 24 | 235 | 54 | 4.21 | 20 | 2.08 | 30 |
| L178616 | | <0.5 | 7.06 | 7 | 2240 | 2.7 | <2 | 4.21 | <0.5 | 20 | 121 | 74 | 5.48 | 20 | 3.64 | 50 |
| L178617 | | <0.5 | 7.11 | 6 | 920 | 1.2 | <2 | 3.33 | <0.5 | 23 | 111 | 87 | 5.60 | 20 | 1.89 | 30 |

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

ALS Canada Ltd.
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To: **OSISKO MINING LTD.**
**P.O. BOX 996**
**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method / Analyte / Units / LOR | ME-ICP61 Mg % 0.01 | ME-ICP61 Mn ppm 5 | ME-ICP61 Mo ppm 1 | ME-ICP61 Na % 0.01 | ME-ICP61 Ni ppm 1 | ME-ICP61 P ppm 10 | ME-ICP61 Pb ppm 2 | ME-ICP61 S % 0.01 | ME-ICP61 Sb ppm 5 | ME-ICP61 Sc ppm 1 | ME-ICP61 Sr ppm 1 | ME-ICP61 Th ppm 20 | ME-ICP61 Ti % 0.01 | ME-ICP61 Tl ppm 10 | ME-ICP61 U ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L178638 | | 2.19 | 967 | <1 | 2.37 | 95 | 1100 | 7 | 0.15 | <5 | 15 | 1405 | <20 | 0.20 | <10 | <10 |
| L178639 | | 1.50 | 1255 | <1 | 2.47 | 18 | 2720 | 17 | 0.04 | 24 | 14 | 1680 | 20 | 0.34 | <10 | <10 |
| L178640 | | 0.70 | 687 | <1 | 3.17 | 27 | 1060 | 7 | <0.01 | <5 | 7 | 431 | <20 | 0.18 | <10 | <10 |
| L178641 | | 1.67 | 899 | <1 | 2.68 | 55 | 910 | 8 | 0.07 | <5 | 10 | 393 | <20 | 0.29 | <10 | <10 |
| L178642 | | 2.86 | 877 | <1 | 1.46 | 264 | 1210 | 47 | 0.33 | 5 | 21 | 544 | <20 | 0.27 | <10 | <10 |
| L178643 | | 2.57 | 931 | <1 | 2.03 | 193 | 930 | 4 | 0.05 | <5 | 21 | 396 | <20 | 0.14 | <10 | <10 |
| L178644 | | 3.35 | 1090 | <1 | 0.03 | 80 | 2970 | 4 | 0.02 | 16 | 24 | 1080 | <20 | 0.24 | <10 | <10 |
| L178645 | | 2.32 | 942 | <1 | 1.82 | 42 | 2670 | 11 | 0.06 | 9 | 18 | 975 | <20 | 0.32 | <10 | <10 |
| L178646 | | 3.41 | 982 | <1 | 2.57 | 42 | 2590 | 13 | 0.01 | <5 | 20 | 1120 | <20 | 0.45 | <10 | <10 |
| L178647 | | 1.70 | 643 | <1 | 2.30 | 89 | 540 | 9 | 0.10 | <5 | 13 | 833 | <20 | 0.13 | <10 | <10 |
| L178648 | | 2.46 | 1020 | <1 | 0.79 | 37 | 2530 | 31 | 0.23 | 12 | 13 | 2210 | 30 | 0.27 | <10 | <10 |
| L178649 | | 3.67 | 1020 | <1 | 2.57 | 91 | 1840 | <2 | 0.04 | <5 | 22 | 882 | <20 | 0.32 | <10 | <10 |
| L178650 | | 0.91 | 555 | <1 | 1.71 | 17 | 1020 | 26 | 0.01 | <5 | 2 | 313 | 20 | 0.25 | <10 | <10 |
| L178141 | | 1.40 | 980 | <1 | 2.95 | 27 | 1000 | 19 | 0.71 | <5 | 12 | 937 | <20 | 0.12 | <10 | <10 |
| L178142 | | 2.54 | 633 | <1 | 3.40 | 51 | 1980 | 7 | 0.92 | <5 | 13 | 1160 | <20 | 0.33 | <10 | <10 |
| L178143 | | 2.25 | 768 | <1 | 3.92 | 50 | 2470 | 4 | 0.18 | <5 | 10 | 985 | <20 | 0.34 | <10 | <10 |
| L178144 | | 2.76 | 822 | 1 | 2.46 | 44 | 1950 | 6 | 0.69 | <5 | 12 | 571 | <20 | 0.40 | <10 | <10 |
| L178145 | | 2.68 | 1305 | <1 | 1.52 | 24 | 2380 | 13 | 0.01 | <5 | 17 | 1935 | 20 | 0.38 | <10 | <10 |
| L178146 | | 2.44 | 1180 | <1 | 1.28 | 26 | 2430 | 23 | 0.01 | <5 | 19 | 1245 | 20 | 0.44 | 10 | <10 |
| L178147 | | 1.85 | 1130 | <1 | 2.24 | 30 | 2720 | 26 | 0.03 | 7 | 18 | 1335 | 20 | 0.33 | <10 | <10 |
| L178148 | | 2.58 | 1170 | <1 | 1.00 | 23 | 2290 | 9 | 0.06 | <5 | 20 | 1785 | 20 | 0.34 | 10 | <10 |
| L178149 | | 0.63 | 644 | <1 | 2.54 | 10 | 2300 | 28 | 0.03 | <5 | 7 | 657 | 20 | 0.21 | <10 | <10 |
| L178150 | | 0.54 | 1115 | <1 | 0.97 | 2 | 940 | 38 | 0.06 | <5 | 3 | 1305 | 20 | 0.30 | <10 | <10 |
| L178601 | | 2.04 | 2110 | <1 | 0.24 | 18 | 2880 | 25 | 0.29 | <5 | 14 | 1510 | 30 | 0.32 | <10 | <10 |
| L178602 | | 1.47 | 956 | <1 | 0.60 | 95 | 1010 | 8 | 0.25 | <5 | 13 | 591 | <20 | 0.19 | 10 | <10 |
| L178603 | | 0.89 | 641 | <1 | 0.63 | 103 | 1260 | 20 | 0.32 | <5 | 13 | 480 | <20 | 0.21 | <10 | <10 |
| L178604 | | 1.46 | 675 | 1 | 1.53 | 98 | 810 | 4 | 0.08 | <5 | 20 | 384 | <20 | 0.20 | <10 | <10 |
| L178605 | | 0.66 | 1485 | <1 | 1.74 | 184 | 1040 | 11 | 0.23 | <5 | 18 | 357 | <20 | 0.13 | <10 | <10 |
| L178606 | | 1.48 | 544 | <1 | 1.89 | 74 | 690 | 4 | 0.16 | <5 | 11 | 320 | <20 | 0.14 | <10 | <10 |
| L178607 | | 2.38 | 1430 | <1 | 2.26 | 21 | 2530 | 10 | 0.03 | 5 | 22 | 2040 | 20 | 0.37 | <10 | <10 |
| L178608 | | 2.62 | 1400 | <1 | 2.11 | 24 | 2210 | 6 | 0.03 | <5 | 19 | 1730 | <20 | 0.35 | 10 | <10 |
| L178609 | | 2.07 | 584 | <1 | 5.53 | 100 | 1360 | 10 | 0.02 | <5 | 10 | 1005 | <20 | 0.19 | <10 | <10 |
| L178610 | | 2.37 | 461 | <1 | 4.63 | 75 | 1980 | 43 | 0.01 | 5 | 25 | 437 | <20 | 0.31 | <10 | <10 |
| L178611 | | 3.02 | 987 | <1 | 3.04 | 70 | 1570 | 26 | 0.01 | <5 | 20 | 712 | <20 | 0.25 | <10 | <10 |
| L178612 | | 2.56 | 1005 | <1 | 1.26 | 43 | 2760 | 13 | 0.02 | 5 | 20 | 669 | <20 | 0.45 | <10 | <10 |
| L178613 | | 4.25 | 1130 | <1 | 1.99 | 71 | 2760 | 12 | 0.01 | <5 | 21 | 1415 | <20 | 0.51 | <10 | <10 |
| L178614 | | 0.84 | 692 | <1 | 1.16 | 91 | 1120 | 7 | 0.18 | <5 | 11 | 501 | <20 | 0.19 | <10 | <10 |
| L178615 | | 1.40 | 665 | <1 | 1.67 | 125 | 1010 | 18 | 0.31 | <5 | 13 | 725 | <20 | 0.16 | <10 | <10 |
| L178616 | | 2.21 | 1315 | <1 | 0.48 | 32 | 1870 | 5 | 0.05 | <5 | 19 | 904 | <20 | 0.39 | <10 | <10 |
| L178617 | | 2.14 | 1135 | <1 | 3.36 | 26 | 1640 | 6 | 0.04 | <5 | 23 | 594 | <20 | 0.33 | <10 | <10 |

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

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**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|---|---|---|---|---|
| L178638 | | 130 | <10 | 86 |
| L178639 | | 176 | 10 | 132 |
| L178640 | | 72 | <10 | 58 |
| L178641 | | 82 | <10 | 73 |
| L178642 | | 170 | <10 | 85 |
| L178643 | | 125 | <10 | 85 |
| L178644 | | 207 | <10 | 94 |
| L178645 | | 171 | 10 | 90 |
| L178646 | | 179 | <10 | 99 |
| L178647 | | 101 | <10 | 64 |
| L178648 | | 159 | <10 | 115 |
| L178649 | | 163 | <10 | 68 |
| L178650 | | 77 | <10 | 108 |
| L178141 | | 114 | <10 | 97 |
| L178142 | | 125 | <10 | 56 |
| L178143 | | 127 | <10 | 138 |
| L178144 | | 125 | <10 | 175 |
| L178145 | | 212 | <10 | 166 |
| L178146 | | 226 | 10 | 98 |
| L178147 | | 201 | <10 | 131 |
| L178148 | | 211 | <10 | 115 |
| L178149 | | 135 | <10 | 111 |
| L178150 | | 177 | <10 | 127 |
| L178601 | | 280 | <10 | 141 |
| L178602 | | 123 | <10 | 31 |
| L178603 | | 133 | <10 | 58 |
| L178604 | | 146 | <10 | 41 |
| L178605 | | 129 | <10 | 46 |
| L178606 | | 87 | <10 | 39 |
| L178607 | | 163 | 10 | 53 |
| L178608 | | 197 | <10 | 111 |
| L178609 | | 79 | <10 | 80 |
| L178610 | | 168 | 10 | 87 |
| L178611 | | 147 | <10 | 78 |
| L178612 | | 189 | 10 | 98 |
| L178613 | | 189 | <10 | 110 |
| L178614 | | 90 | <10 | 35 |
| L178615 | | 153 | <10 | 91 |
| L178616 | | 179 | <10 | 96 |
| L178617 | | 178 | <10 | 114 |

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

ALS Canada Ltd.
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To: **OSISKO MINING LTD.**
**P.O. BOX 996**
**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | K | La |
| | Units | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | % | ppm |
| | LOR | 0.5 | 0.01 | 5 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 | 0.01 | 10 |
| L178618 | | <0.5 | 7.09 | 11 | 1180 | 2.0 | <2 | 3.53 | <0.5 | 37 | 109 | 22 | 4.64 | 20 | 2.82 | 30 |
| L178619 | | <0.5 | 7.95 | 31 | 2240 | 2.4 | <2 | 2.36 | <0.5 | 10 | 60 | 21 | 2.86 | 20 | 3.63 | 30 |
| L178620 | | <0.5 | 7.15 | 13 | 1330 | 1.9 | <2 | 2.69 | <0.5 | 12 | 58 | 4 | 2.79 | 20 | 2.05 | 30 |
| L178621 | | <0.5 | 6.49 | 16 | 1380 | 1.6 | <2 | 4.24 | <0.5 | 5 | 33 | 8 | 2.21 | 20 | 1.87 | 30 |
| L178622 | | <0.5 | 6.65 | 34 | 1570 | 2.5 | <2 | 3.37 | <0.5 | 11 | 77 | 18 | 3.27 | 20 | 2.24 | 30 |
| L178623 | | <0.5 | 7.15 | 31 | 1870 | 2.1 | <2 | 3.49 | <0.5 | 15 | 69 | 44 | 4.04 | 20 | 2.45 | 30 |
| L174387 | | <0.5 | 7.57 | 14 | 980 | 1.5 | <2 | 3.04 | <0.5 | 15 | 24 | 20 | 4.04 | 20 | 2.55 | 40 |
| L174388 | | <0.5 | 7.76 | 17 | 1700 | 2.0 | <2 | 4.90 | <0.5 | 22 | 54 | 15 | 6.01 | 20 | 2.69 | 40 |
| L174389 | | <0.5 | 7.11 | <5 | 270 | 0.5 | <2 | 3.82 | <0.5 | 25 | 43 | 24 | 5.18 | 20 | 0.96 | 10 |
| L174390 | | <0.5 | 7.14 | 5 | 210 | 0.7 | <2 | 3.59 | <0.5 | 11 | 26 | 59 | 3.46 | 20 | 0.63 | 10 |
| L174391 | | <0.5 | 7.27 | 13 | 1950 | 1.8 | <2 | 1.75 | <0.5 | 29 | 63 | 44 | 4.93 | 20 | 3.06 | 50 |
| L174392 | | <0.5 | 7.88 | 12 | 1460 | 1.5 | <2 | 3.28 | <0.5 | 26 | 58 | 13 | 6.07 | 20 | 2.63 | 30 |
| L174393 | | <0.5 | 8.85 | 24 | 1250 | 2.2 | <2 | 0.64 | <0.5 | 15 | 118 | 26 | 2.84 | 20 | 3.24 | 30 |
| L174394 | | <0.5 | 8.32 | 30 | 940 | 1.7 | <2 | 0.27 | <0.5 | 20 | 153 | 29 | 4.63 | 20 | 2.37 | 30 |
| L174395 | | <0.5 | 5.06 | 25 | 410 | 0.6 | <2 | 0.03 | <0.5 | 3 | 48 | 14 | 1.26 | 10 | 1.12 | 10 |
| L174396 | | <0.5 | 7.22 | 5 | 1010 | 1.3 | <2 | 4.23 | <0.5 | 16 | 84 | 36 | 5.19 | 20 | 1.87 | 30 |
| L174397 | | <0.5 | 5.94 | 91 | 600 | 1.2 | <2 | 2.50 | 0.5 | 21 | 145 | 91 | 5.97 | 10 | 1.56 | 20 |
| L174398 | | <0.5 | 7.47 | 26 | 2020 | 3.3 | <2 | 4.37 | <0.5 | 36 | 114 | 108 | 6.89 | 20 | 3.29 | 90 |
| L174399 | | <0.5 | 8.35 | <5 | 140 | 4.5 | <2 | 2.62 | <0.5 | 21 | 74 | 39 | 3.47 | 30 | 4.25 | 10 |
| L174400 | | <0.5 | 8.44 | 47 | 780 | 1.4 | <2 | 1.03 | <0.5 | 19 | 160 | 44 | 3.87 | 20 | 2.69 | 30 |
| L174401 | | <0.5 | 7.60 | 22 | 840 | 1.5 | <2 | 0.20 | <0.5 | 12 | 173 | 32 | 2.42 | 20 | 2.03 | 20 |
| L174402 | | <0.5 | 6.33 | 47 | 690 | 1.2 | <2 | 3.21 | <0.5 | 14 | 118 | 29 | 3.15 | 10 | 1.70 | 20 |
| L174403 | | <0.5 | 7.10 | 28 | 740 | 1.2 | <2 | 0.56 | <0.5 | 20 | 158 | 30 | 5.09 | 20 | 1.66 | 20 |
| L174404 | | <0.5 | 9.79 | 16 | 3150 | 7.9 | <2 | 0.75 | <0.5 | 17 | 28 | 84 | 4.84 | 20 | 4.83 | 60 |
| L174405 | | <0.5 | 7.00 | 35 | 2650 | 3.2 | 2 | 5.89 | <0.5 | 28 | 90 | 108 | 6.35 | 20 | 4.02 | 70 |
| L174406 | | <0.5 | 6.84 | 23 | 1800 | 3.0 | <2 | 4.13 | <0.5 | 34 | 134 | 153 | 6.95 | 20 | 4.65 | 80 |
| L174407 | | <0.5 | 7.31 | <5 | 80 | <0.5 | 3 | 4.42 | <0.5 | 31 | 45 | 89 | 7.47 | 20 | 0.28 | 10 |
| L174408 | | <0.5 | 7.87 | 39 | 990 | 0.7 | <2 | 0.82 | <0.5 | 15 | 181 | 7 | 3.80 | 20 | 4.22 | 20 |
| L174409 | | <0.5 | 6.42 | <5 | 160 | <0.5 | <2 | 7.88 | <0.5 | 59 | 234 | 153 | 7.54 | 20 | 0.59 | 10 |
| L174410 | | <0.5 | 6.92 | 31 | 930 | 1.2 | <2 | 2.54 | <0.5 | 21 | 186 | 40 | 3.90 | 10 | 2.25 | 20 |
| N459015 | | <0.5 | 8.49 | <5 | 2020 | 2.4 | <2 | 2.14 | <0.5 | 9 | 34 | 21 | 3.02 | 20 | 3.77 | 30 |
| N459016 | | <0.5 | 6.08 | <5 | 940 | 1.8 | 2 | 6.20 | <0.5 | 50 | 616 | 42 | 7.22 | 20 | 2.66 | 30 |
| N459017 | | <0.5 | 3.84 | <5 | 890 | 0.9 | <2 | 7.81 | <0.5 | 61 | 906 | 9 | 6.56 | 10 | 1.53 | 20 |
| N459018 | | <0.5 | 6.75 | <5 | 1390 | 1.1 | 2 | 5.90 | <0.5 | 35 | 319 | 21 | 6.62 | 20 | 1.44 | 20 |
| N459019 | | <0.5 | 8.50 | <5 | 2860 | 1.4 | <2 | 1.45 | <0.5 | 9 | 27 | 10 | 2.39 | 20 | 3.67 | 50 |
| N459020 | | <0.5 | 6.66 | <5 | 1040 | <0.5 | <2 | 2.65 | <0.5 | 41 | 188 | 38 | 7.70 | 20 | 3.05 | <10 |
| N459021 | | <0.5 | 2.55 | <5 | 20 | <0.5 | 2 | 2.47 | <0.5 | 89 | 1530 | 27 | 6.66 | 10 | 0.03 | <10 |
| N459022 | | <0.5 | 2.64 | 23 | 10 | <0.5 | 3 | 2.46 | <0.5 | 92 | 1460 | 17 | 6.69 | 10 | 0.02 | <10 |
| N459023 | | <0.5 | 3.00 | 6 | 590 | 1.3 | <2 | 5.15 | <0.5 | 57 | 1150 | 45 | 5.95 | 10 | 1.32 | 10 |
| N459024 | | <0.5 | 6.88 | 86 | 190 | 0.5 | 2 | 6.59 | <0.5 | 30 | 84 | 33 | 5.71 | 10 | 1.80 | <10 |

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**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method / Analyte / Units / LOR | ME-ICP61 Mg % 0.01 | ME-ICP61 Mn ppm 5 | ME-ICP61 Mo ppm 1 | ME-ICP61 Na % 0.01 | ME-ICP61 Ni ppm 1 | ME-ICP61 P ppm 10 | ME-ICP61 Pb ppm 2 | ME-ICP61 S % 0.01 | ME-ICP61 Sb ppm 5 | ME-ICP61 Sc ppm 1 | ME-ICP61 Sr ppm 1 | ME-ICP61 Th ppm 20 | ME-ICP61 Ti % 0.01 | ME-ICP61 Tl ppm 10 | ME-ICP61 U ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L178618 | | 1.39 | 949 | <1 | 2.27 | 23 | 1360 | 10 | 0.35 | <5 | 15 | 533 | <20 | 0.28 | 10 | <10 |
| L178619 | | 1.03 | 874 | <1 | 2.50 | 28 | 920 | 30 | 1.11 | <5 | 7 | 1015 | <20 | 0.16 | 10 | <10 |
| L178620 | | 1.13 | 574 | <1 | 3.36 | 26 | 910 | 5 | 0.19 | <5 | 8 | 1135 | <20 | 0.15 | <10 | <10 |
| L178621 | | 1.81 | 675 | <1 | 3.15 | 15 | 650 | 18 | 0.07 | <5 | 4 | 1770 | <20 | 0.13 | <10 | <10 |
| L178622 | | 1.15 | 703 | 1 | 2.34 | 38 | 890 | 8 | 0.69 | <5 | 8 | 967 | <20 | 0.16 | <10 | <10 |
| L178623 | | 1.42 | 1105 | <1 | 3.06 | 23 | 1120 | 46 | 1.16 | <5 | 13 | 1570 | <20 | 0.17 | <10 | <10 |
| L174387 | | 1.44 | 871 | <1 | 2.92 | 9 | 1290 | 14 | 0.05 | <5 | 11 | 845 | <20 | 0.20 | <10 | <10 |
| L174388 | | 2.34 | 1055 | <1 | 2.68 | 19 | 2110 | 17 | <0.01 | 5 | 20 | 1445 | <20 | 0.46 | <10 | <10 |
| L174389 | | 1.82 | 936 | <1 | 2.42 | 96 | 740 | <2 | <0.01 | <5 | 16 | 107 | <20 | 0.33 | <10 | <10 |
| L174390 | | 1.07 | 556 | <1 | 2.75 | 19 | 570 | <2 | <0.01 | <5 | 9 | 187 | <20 | 0.33 | <10 | <10 |
| L174391 | | 1.57 | 596 | 1 | 1.68 | 24 | 1730 | 9 | 1.23 | <5 | 18 | 223 | <20 | 0.26 | <10 | <10 |
| L174392 | | 2.67 | 1035 | <1 | 2.93 | 19 | 2230 | 9 | <0.01 | <5 | 20 | 775 | <20 | 0.47 | <10 | <10 |
| L174393 | | 0.70 | 343 | <1 | 2.26 | 70 | 870 | 22 | 0.04 | <5 | 10 | 255 | <20 | 0.18 | <10 | <10 |
| L174394 | | 0.22 | 621 | <1 | 2.34 | 68 | 840 | 7 | 0.02 | <5 | 14 | 303 | <20 | 0.09 | <10 | <10 |
| L174395 | | 0.04 | 82 | <1 | 1.52 | 13 | 240 | 7 | <0.01 | <5 | 3 | 244 | <20 | 0.09 | <10 | <10 |
| L174396 | | 2.90 | 929 | <1 | 3.50 | 24 | 1680 | 7 | 0.02 | <5 | 20 | 1235 | <20 | 0.38 | <10 | <10 |
| L174397 | | 2.22 | 848 | 4 | 1.72 | 88 | 730 | 23 | 0.38 | 9 | 15 | 544 | <20 | 0.09 | <10 | <10 |
| L174398 | | 3.34 | 974 | <1 | 2.31 | 42 | 3450 | 17 | 0.12 | <5 | 24 | 1845 | 20 | 0.42 | <10 | <10 |
| L174399 | | 2.01 | 497 | 1 | 3.50 | 85 | 1210 | 41 | 0.02 | <5 | 6 | 344 | <20 | 0.60 | <10 | <10 |
| L174400 | | 0.71 | 594 | 2 | 1.76 | 74 | 730 | 8 | 0.05 | <5 | 14 | 352 | <20 | 0.17 | 10 | <10 |
| L174401 | | 0.10 | 367 | 1 | 2.54 | 38 | 760 | 11 | 0.23 | 7 | 8 | 339 | <20 | 0.16 | <10 | <10 |
| L174402 | | 1.30 | 602 | <1 | 1.88 | 44 | 670 | 10 | 0.12 | 5 | 11 | 535 | <20 | 0.14 | <10 | <10 |
| L174403 | | 0.30 | 822 | <1 | 2.17 | 70 | 790 | 15 | 0.05 | <5 | 21 | 329 | <20 | 0.09 | <10 | <10 |
| L174404 | | 0.54 | 884 | <1 | 1.93 | 12 | 2170 | 18 | 0.03 | 6 | 8 | 675 | 20 | 0.24 | <10 | <10 |
| L174405 | | 3.11 | 1115 | <1 | 2.00 | 30 | 3000 | 22 | 0.02 | 7 | 23 | 3330 | 30 | 0.52 | <10 | <10 |
| L174406 | | 2.75 | 1425 | <1 | 2.19 | 34 | 2780 | 14 | 0.13 | <5 | 31 | 766 | 20 | 0.48 | <10 | <10 |
| L174407 | | 3.09 | 1460 | <1 | 1.93 | 31 | 580 | <2 | 0.06 | <5 | 42 | 54 | <20 | 0.86 | 10 | <10 |
| L174408 | | 0.96 | 498 | 6 | 0.12 | 118 | 730 | 9 | 0.36 | <5 | 12 | 276 | <20 | 0.32 | <10 | <10 |
| L174409 | | 6.03 | 1250 | <1 | 1.39 | 263 | 290 | <2 | 0.06 | <5 | 33 | 477 | <20 | 0.43 | <10 | <10 |
| L174410 | | 1.45 | 712 | <1 | 2.33 | 95 | 690 | <2 | 0.07 | <5 | 17 | 485 | <20 | 0.22 | <10 | <10 |
| N459015 | | 1.04 | 707 | <1 | 4.20 | 13 | 760 | 21 | 0.11 | <5 | 5 | 1150 | 20 | 0.23 | <10 | <10 |
| N459016 | | 7.40 | 1390 | <1 | 2.03 | 224 | 1860 | 2 | 0.03 | <5 | 33 | 766 | <20 | 0.47 | <10 | <10 |
| N459017 | | 9.94 | 1245 | <1 | 0.96 | 312 | 960 | <2 | <0.01 | <5 | 38 | 363 | <20 | 0.38 | <10 | <10 |
| N459018 | | 5.51 | 1205 | <1 | 2.50 | 104 | 1560 | 4 | 0.05 | <5 | 28 | 697 | <20 | 0.49 | <10 | <10 |
| N459019 | | 0.46 | 656 | <1 | 5.05 | 10 | 360 | 27 | 0.17 | <5 | 4 | 786 | 20 | 0.14 | <10 | <10 |
| N459020 | | 3.65 | 1255 | <1 | 0.70 | 99 | 350 | 2 | 0.06 | <5 | 34 | 167 | <20 | 0.47 | <10 | <10 |
| N459021 | | 17.85 | 1270 | <1 | 0.11 | 1680 | 80 | <2 | 0.06 | <5 | 15 | 69 | <20 | 0.14 | <10 | <10 |
| N459022 | | 18.00 | 1215 | <1 | 0.04 | 1680 | 70 | <2 | 0.05 | <5 | 17 | 70 | <20 | 0.14 | <10 | <10 |
| N459023 | | 9.88 | 1145 | 1 | 0.74 | 817 | 680 | 3 | 0.32 | <5 | 20 | 418 | <20 | 0.14 | <10 | <10 |
| N459024 | | 4.09 | 1035 | <1 | 1.84 | 63 | 210 | <2 | 0.38 | <5 | 32 | 184 | <20 | 0.22 | <10 | <10 |

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**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|---|---|---|---|---|
| L178618 | | 140 | <10 | 66 |
| L178619 | | 71 | <10 | 99 |
| L178620 | | 72 | <10 | 67 |
| L178621 | | 34 | <10 | 68 |
| L178622 | | 70 | <10 | 64 |
| L178623 | | 115 | <10 | 64 |
| L174387 | | 92 | <10 | 83 |
| L174388 | | 171 | <10 | 92 |
| L174389 | | 131 | <10 | 101 |
| L174390 | | 60 | <10 | 57 |
| L174391 | | 143 | <10 | 66 |
| L174392 | | 183 | <10 | 114 |
| L174393 | | 84 | <10 | 36 |
| L174394 | | 117 | <10 | 49 |
| L174395 | | 23 | <10 | 18 |
| L174396 | | 148 | <10 | 83 |
| L174397 | | 104 | <10 | 209 |
| L174398 | | 216 | <10 | 146 |
| L174399 | | 78 | <10 | 50 |
| L174400 | | 104 | <10 | 61 |
| L174401 | | 64 | <10 | 49 |
| L174402 | | 94 | <10 | 32 |
| L174403 | | 128 | <10 | 185 |
| L174404 | | 146 | 10 | 128 |
| L174405 | | 230 | <10 | 121 |
| L174406 | | 257 | <10 | 76 |
| L174407 | | 429 | <10 | 91 |
| L174408 | | 118 | <10 | 50 |
| L174409 | | 221 | <10 | 76 |
| L174410 | | 126 | <10 | 59 |
| N459015 | | 67 | <10 | 72 |
| N459016 | | 218 | <10 | 113 |
| N459017 | | 165 | <10 | 92 |
| N459018 | | 214 | <10 | 105 |
| N459019 | | 55 | <10 | 24 |
| N459020 | | 272 | <10 | 106 |
| N459021 | | 110 | <10 | 70 |
| N459022 | | 111 | <10 | 74 |
| N459023 | | 178 | <10 | 86 |
| N459024 | | 175 | <10 | 54 |

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Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method / Analyte / Units / LOR | ME-ICP61 Ag ppm 0.5 | ME-ICP61 Al % 0.01 | ME-ICP61 As ppm 5 | ME-ICP61 Ba ppm 10 | ME-ICP61 Be ppm 0.5 | ME-ICP61 Bi ppm 2 | ME-ICP61 Ca % 0.01 | ME-ICP61 Cd ppm 0.5 | ME-ICP61 Co ppm 1 | ME-ICP61 Cr ppm 1 | ME-ICP61 Cu ppm 1 | ME-ICP61 Fe % 0.01 | ME-ICP61 Ga ppm 10 | ME-ICP61 K % 0.01 | ME-ICP61 La ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N459025 | | <0.5 | 3.36 | <5 | 30 | <0.5 | <2 | 5.18 | <0.5 | 72 | 1310 | 58 | 6.97 | 10 | 0.03 | <10 |
| N459026 | | <0.5 | 7.27 | <5 | 1020 | 1.4 | <2 | 3.77 | <0.5 | 20 | 196 | 48 | 3.65 | 20 | 1.75 | 40 |
| N459027 | | <0.5 | 6.70 | 931 | 550 | 1.1 | <2 | 3.10 | <0.5 | 23 | 144 | 66 | 4.45 | 10 | 1.10 | 20 |
| N459028 | | <0.5 | 4.50 | 261 | 290 | 0.5 | <2 | 7.57 | <0.5 | 34 | 605 | 21 | 4.27 | 10 | 0.94 | 30 |
| N459029 | | <0.5 | 2.70 | 390 | 380 | 0.6 | <2 | 5.78 | <0.5 | 73 | 1505 | 7 | 6.28 | 10 | 1.25 | <10 |
| N459030 | | <0.5 | 5.57 | 6 | 420 | 1.5 | <2 | 5.80 | <0.5 | 36 | 281 | 108 | 6.33 | 10 | 2.16 | 80 |
| N459031 | | <0.5 | 6.04 | 23 | 2440 | 1.4 | 3 | 6.23 | <0.5 | 31 | 295 | 25 | 5.39 | 10 | 1.74 | 60 |
| N459032 | | <0.5 | 5.59 | <5 | 2380 | 2.2 | <2 | 6.35 | <0.5 | 41 | 160 | 111 | 8.14 | 20 | 2.36 | 50 |
| N459033 | | <0.5 | 8.26 | <5 | 140 | 4.6 | <2 | 2.63 | <0.5 | 22 | 77 | 35 | 3.52 | 30 | 4.34 | 10 |
| N459034 | | <0.5 | 6.73 | 5 | 1420 | 1.4 | <2 | 1.95 | <0.5 | 13 | 91 | 27 | 2.36 | 20 | 2.66 | 10 |
| N459035 | | <0.5 | 7.22 | <5 | 1390 | 2.1 | <2 | 1.71 | <0.5 | 10 | 93 | 44 | 2.49 | 20 | 2.86 | 30 |
| N459036 | | <0.5 | 7.67 | 5 | 1590 | 2.7 | <2 | 1.67 | <0.5 | 11 | 97 | 11 | 2.71 | 20 | 3.45 | 30 |
| N459037 | | <0.5 | 7.43 | <5 | 1420 | 2.2 | <2 | 1.41 | <0.5 | 13 | 107 | 50 | 2.57 | 20 | 2.76 | 30 |
| N459038 | | <0.5 | 8.25 | 33 | 2170 | 3.3 | <2 | 1.58 | <0.5 | 8 | 61 | 169 | 2.44 | 20 | 4.54 | 40 |
| N459039 | | <0.5 | 6.81 | 7 | 2130 | 1.3 | <2 | 2.40 | <0.5 | 18 | 152 | 33 | 3.27 | 20 | 1.98 | 20 |
| N459040 | | <0.5 | 6.89 | 6 | 1270 | 1.1 | <2 | 2.08 | <0.5 | 14 | 92 | 5 | 2.69 | 20 | 2.40 | 20 |
| N459041 | | <0.5 | 7.30 | 6 | 870 | 1.1 | <2 | 2.15 | <0.5 | 17 | 100 | 44 | 2.94 | 20 | 1.56 | 20 |
| N459042 | | <0.5 | 7.56 | 8 | 1560 | 2.8 | <2 | 1.53 | <0.5 | 10 | 45 | 36 | 2.38 | 20 | 4.16 | 40 |
| N459043 | | <0.5 | 6.34 | 54 | 730 | 1.3 | <2 | 1.88 | <0.5 | 11 | 88 | 146 | 2.03 | 20 | 1.93 | 20 |
| N459044 | | <0.5 | 7.45 | 5 | 2130 | 2.1 | <2 | 2.25 | <0.5 | 11 | 37 | 77 | 3.19 | 20 | 4.61 | 30 |
| N459045 | | <0.5 | 7.23 | <5 | 370 | 1.7 | <2 | 0.35 | <0.5 | 7 | 13 | 13 | 1.79 | 20 | 3.11 | 20 |
| N459046 | | <0.5 | 7.33 | 6 | 1020 | 1.3 | <2 | 1.66 | <0.5 | 17 | 124 | 11 | 3.16 | 20 | 1.19 | 20 |
| N459047 | | <0.5 | 6.90 | <5 | 850 | 1.0 | <2 | 3.68 | <0.5 | 31 | 275 | 2 | 5.39 | 20 | 1.24 | 50 |
| N459048 | | <0.5 | 7.22 | 5 | 2040 | 1.2 | 2 | 2.36 | <0.5 | 13 | 23 | 3 | 2.40 | 20 | 3.69 | 30 |
| N459049 | | <0.5 | 8.59 | 7 | 1830 | 2.1 | <2 | 1.78 | <0.5 | 12 | 30 | 22 | 2.77 | 20 | 2.47 | 40 |
| N459050 | | <0.5 | 7.63 | <5 | 1680 | 1.5 | <2 | 2.01 | <0.5 | 13 | 98 | 18 | 2.63 | 20 | 2.34 | 20 |
| N459051 | | <0.5 | 7.42 | 6 | 240 | 0.7 | <2 | 3.50 | <0.5 | 19 | 103 | 39 | 3.48 | 20 | 0.52 | 20 |
| N459052 | | <0.5 | 7.39 | <5 | 1160 | 1.5 | <2 | 2.68 | <0.5 | 16 | 120 | 16 | 2.96 | 20 | 2.22 | 20 |
| N459053 | | <0.5 | 6.66 | 7 | 340 | 0.8 | <2 | 4.21 | 0.7 | 65 | 1000 | 30 | 7.40 | 10 | 0.40 | 10 |
| N459054 | | <0.5 | 7.20 | 6 | 990 | 1.9 | <2 | 3.55 | <0.5 | 25 | 242 | 43 | 3.89 | 20 | 0.53 | 40 |
| I279845 | | <0.5 | 7.97 | <5 | 330 | 0.6 | <2 | 2.55 | <0.5 | 17 | 69 | 7 | 4.53 | 20 | 0.62 | 10 |
| I279846 | | <0.5 | 7.20 | <5 | 190 | <0.5 | <2 | 4.06 | <0.5 | 31 | 47 | 51 | 7.02 | 20 | 0.68 | 10 |
| I279847 | | <0.5 | 7.19 | 7 | 180 | <0.5 | <2 | 2.90 | <0.5 | 24 | 155 | 6 | 4.61 | 20 | 0.49 | 10 |
| I279848 | | <0.5 | 7.56 | <5 | 40 | <0.5 | <2 | 6.78 | 0.7 | 41 | 305 | 81 | 7.71 | 20 | 0.10 | <10 |
| I279849 | | <0.5 | 8.22 | <5 | 540 | 0.7 | <2 | 2.35 | <0.5 | 21 | 30 | 25 | 4.93 | 20 | 1.72 | 10 |
| I279850 | | <0.5 | 7.02 | <5 | 370 | 0.8 | <2 | 4.16 | <0.5 | 11 | 19 | <1 | 3.49 | 20 | 1.45 | 10 |
| I279851 | | <0.5 | 8.31 | <5 | 290 | 0.8 | <2 | 4.67 | <0.5 | 15 | 32 | 15 | 4.49 | 20 | 1.05 | 10 |
| I279852 | | <0.5 | 7.29 | <5 | 210 | 0.5 | <2 | 5.14 | <0.5 | 24 | 27 | 27 | 7.43 | 10 | 0.66 | 10 |
| I279853 | | <0.5 | 8.23 | 5 | 170 | <0.5 | <2 | 1.78 | <0.5 | 31 | 53 | 22 | 7.53 | 20 | 0.55 | 10 |
| I279854 | | <0.5 | 8.10 | 5 | 270 | 0.7 | <2 | 2.89 | <0.5 | 13 | 15 | <1 | 4.01 | 20 | 0.99 | 10 |

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

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

To: **OSISKO MINING LTD.**
**P.O. BOX 996**
**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th | Ti | Tl | U |
| | Units | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 5 | 1 | 1 | 20 | 0.01 | 10 | 10 |
| N459025 | | 15.10 | 1040 | 3 | 0.11 | 1130 | 90 | <2 | 0.02 | <5 | 22 | 45 | <20 | 0.19 | <10 | <10 |
| N459026 | | 2.77 | 725 | <1 | 3.90 | 112 | 1250 | 8 | 0.29 | <5 | 11 | 870 | <20 | 0.21 | <10 | <10 |
| N459027 | | 1.78 | 886 | <1 | 2.92 | 81 | 680 | 7 | 1.48 | 6 | 16 | 372 | <20 | 0.27 | <10 | <10 |
| N459028 | | 4.45 | 1080 | <1 | 1.37 | 346 | 940 | <2 | 0.10 | <5 | 18 | 631 | <20 | 0.13 | <10 | <10 |
| N459029 | | 10.35 | 1200 | <1 | 0.36 | 1070 | 40 | 5 | 0.03 | 20 | 20 | 452 | <20 | 0.07 | <10 | <10 |
| N459030 | | 4.55 | 1135 | <1 | 2.88 | 79 | 3220 | 5 | 0.27 | <5 | 24 | 682 | 20 | 0.30 | <10 | <10 |
| N459031 | | 4.41 | 1130 | <1 | 2.71 | 68 | 1710 | 7 | 0.23 | <5 | 27 | 1200 | 20 | 0.31 | <10 | <10 |
| N459032 | | 5.10 | 1645 | 1 | 2.41 | 59 | 3960 | 22 | 1.17 | <5 | 32 | 1055 | <20 | 0.57 | <10 | <10 |
| N459033 | | 2.04 | 506 | <1 | 3.56 | 83 | 1210 | 38 | 0.02 | <5 | 6 | 344 | <20 | 0.61 | <10 | <10 |
| N459034 | | 1.48 | 365 | 1 | 3.45 | 38 | 870 | 12 | 0.15 | <5 | 6 | 859 | <20 | 0.24 | <10 | <10 |
| N459035 | | 1.32 | 471 | <1 | 3.50 | 47 | 720 | 16 | 0.35 | <5 | 6 | 581 | 20 | 0.14 | <10 | <10 |
| N459036 | | 1.22 | 563 | <1 | 3.47 | 48 | 810 | 14 | 0.23 | <5 | 6 | 832 | <20 | 0.15 | <10 | <10 |
| N459037 | | 1.14 | 412 | <1 | 3.47 | 54 | 640 | 12 | 0.28 | <5 | 7 | 579 | <20 | 0.11 | <10 | <10 |
| N459038 | | 0.82 | 458 | 1 | 3.89 | 26 | 910 | 26 | 0.61 | <5 | 6 | 1105 | 20 | 0.16 | <10 | <10 |
| N459039 | | 2.11 | 540 | <1 | 3.02 | 83 | 870 | 13 | 0.09 | <5 | 10 | 614 | <20 | 0.17 | 10 | <10 |
| N459040 | | 1.34 | 527 | <1 | 3.42 | 47 | 700 | 7 | 0.08 | <5 | 7 | 454 | <20 | 0.22 | 10 | <10 |
| N459041 | | 1.55 | 468 | <1 | 3.96 | 43 | 870 | 7 | 0.21 | <5 | 7 | 631 | <20 | 0.30 | <10 | <10 |
| N459042 | | 0.75 | 464 | <1 | 3.15 | 22 | 950 | 23 | 0.79 | 10 | 5 | 733 | 20 | 0.13 | <10 | <10 |
| N459043 | | 1.15 | 516 | <1 | 3.47 | 45 | 450 | 17 | 0.62 | <5 | 6 | 416 | <20 | 0.12 | 10 | <10 |
| N459044 | | 0.93 | 659 | <1 | 3.17 | 15 | 1140 | 15 | 0.06 | 6 | 7 | 941 | 20 | 0.18 | 10 | <10 |
| N459045 | | 0.27 | 304 | <1 | 4.01 | 32 | 50 | 6 | 0.03 | 7 | 2 | 162 | <20 | 0.05 | <10 | <10 |
| N459046 | | 1.92 | 479 | <1 | 4.09 | 60 | 920 | 6 | 0.02 | <5 | 8 | 384 | <20 | 0.26 | <10 | <10 |
| N459047 | | 4.19 | 1005 | <1 | 3.30 | 173 | 1970 | <2 | 0.15 | <5 | 18 | 643 | <20 | 0.23 | 10 | <10 |
| N459048 | | 0.74 | 792 | <1 | 3.91 | 10 | 670 | 4 | 0.29 | <5 | 4 | 646 | <20 | 0.15 | <10 | <10 |
| N459049 | | 0.70 | 588 | <1 | 5.29 | 17 | 870 | 9 | 0.34 | <5 | 6 | 909 | 20 | 0.19 | 10 | <10 |
| N459050 | | 1.66 | 386 | <1 | 3.90 | 44 | 840 | 11 | 0.10 | <5 | 7 | 816 | <20 | 0.25 | 10 | <10 |
| N459051 | | 2.20 | 647 | <1 | 4.40 | 66 | 940 | 3 | 0.12 | <5 | 12 | 439 | <20 | 0.17 | 10 | <10 |
| N459052 | | 1.48 | 465 | <1 | 3.64 | 49 | 900 | 4 | 0.14 | <5 | 6 | 777 | <20 | 0.20 | 10 | <10 |
| N459053 | | 8.88 | 1355 | 1 | 1.95 | 552 | 540 | 4 | 0.07 | <5 | 27 | 232 | <20 | 0.33 | <10 | <10 |
| N459054 | | 3.20 | 800 | <1 | 5.24 | 126 | 1170 | 8 | 0.28 | <5 | 12 | 764 | <20 | 0.29 | 10 | <10 |
| I279845 | | 1.57 | 795 | <1 | 3.47 | 37 | 810 | <2 | <0.01 | <5 | 15 | 213 | <20 | 0.51 | <10 | <10 |
| I279846 | | 1.74 | 1060 | <1 | 1.51 | 60 | 780 | <2 | <0.01 | 9 | 25 | 191 | <20 | 0.34 | 10 | <10 |
| I279847 | | 1.90 | 886 | <1 | 2.90 | 89 | 860 | <2 | <0.01 | <5 | 22 | 173 | <20 | 0.31 | 10 | <10 |
| I279848 | | 5.31 | 1330 | <1 | 1.64 | 125 | 260 | <2 | 0.06 | 12 | 33 | 111 | <20 | 0.50 | <10 | <10 |
| I279849 | | 1.30 | 1060 | <1 | 2.39 | 29 | 810 | 4 | 0.01 | 5 | 14 | 133 | <20 | 0.28 | <10 | <10 |
| I279850 | | 0.80 | 1145 | <1 | 2.56 | 12 | 630 | <2 | <0.01 | 7 | 8 | 182 | <20 | 0.17 | <10 | <10 |
| I279851 | | 1.30 | 1535 | <1 | 2.13 | 26 | 750 | 3 | <0.01 | <5 | 14 | 240 | <20 | 0.29 | <10 | <10 |
| I279852 | | 1.17 | 1990 | <1 | 1.41 | 26 | 700 | <2 | <0.01 | <5 | 22 | 227 | <20 | 0.28 | <10 | <10 |
| I279853 | | 1.80 | 1095 | <1 | 2.78 | 42 | 770 | <2 | <0.01 | <5 | 29 | 101 | <20 | 0.34 | <10 | <10 |
| I279854 | | 0.73 | 811 | <1 | 3.69 | 11 | 650 | <2 | <0.01 | <5 | 11 | 197 | <20 | 0.29 | <10 | <10 |

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

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**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 10-JUN-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|---|---|---|---|---|
| N459025 | | 132 | <10 | 78 |
| N459026 | | 95 | <10 | 63 |
| N459027 | | 127 | 10 | 46 |
| N459028 | | 107 | <10 | 48 |
| N459029 | | 122 | <10 | 74 |
| N459030 | | 194 | <10 | 72 |
| N459031 | | 192 | <10 | 101 |
| N459032 | | 256 | <10 | 143 |
| N459033 | | 79 | <10 | 47 |
| N459034 | | 66 | <10 | 65 |
| N459035 | | 60 | <10 | 59 |
| N459036 | | 62 | <10 | 69 |
| N459037 | | 61 | <10 | 51 |
| N459038 | | 51 | <10 | 35 |
| N459039 | | 79 | <10 | 74 |
| N459040 | | 60 | <10 | 58 |
| N459041 | | 73 | <10 | 70 |
| N459042 | | 60 | <10 | 31 |
| N459043 | | 50 | 10 | 33 |
| N459044 | | 75 | <10 | 37 |
| N459045 | | 27 | 10 | 24 |
| N459046 | | 79 | <10 | 78 |
| N459047 | | 93 | <10 | 78 |
| N459048 | | 45 | 10 | 22 |
| N459049 | | 68 | <10 | 37 |
| N459050 | | 64 | <10 | 68 |
| N459051 | | 87 | <10 | 59 |
| N459052 | | 71 | <10 | 83 |
| N459053 | | 173 | <10 | 103 |
| N459054 | | 101 | <10 | 69 |
| I279845 | | 147 | <10 | 97 |
| I279846 | | 148 | <10 | 145 |
| I279847 | | 138 | <10 | 108 |
| I279848 | | 252 | <10 | 66 |
| I279849 | | 107 | <10 | 128 |
| I279850 | | 59 | <10 | 53 |
| I279851 | | 100 | <10 | 98 |
| I279852 | | 151 | <10 | 131 |
| I279853 | | 179 | <10 | 136 |
| I279854 | | 81 | <10 | 76 |

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# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | K | La |
| | Units | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | % | ppm |
| | LOR | 0.5 | 0.01 | 5 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 | 0.01 | 10 |
| I279855 | | <0.5 | 7.89 | 7 | 410 | 0.8 | <2 | 1.67 | <0.5 | 13 | 32 | 8 | 4.52 | 20 | 1.13 | 10 |
| I279856 | | <0.5 | 6.97 | 8 | 210 | 0.5 | <2 | 3.74 | <0.5 | 48 | 553 | 28 | 4.75 | 20 | 0.58 | 10 |
| I279857 | | <0.5 | 5.45 | 5 | 1430 | 1.6 | 3 | 5.27 | <0.5 | 27 | 51 | 139 | 5.33 | 10 | 1.09 | 20 |
| I279858 | | <0.5 | 6.40 | 8 | 80 | <0.5 | <2 | 7.47 | 0.7 | 30 | 28 | 54 | 8.21 | 20 | 0.22 | 10 |
| I279859 | | <0.5 | 6.89 | 6 | 500 | 0.6 | <2 | 3.22 | <0.5 | 17 | 10 | 11 | 3.81 | 20 | 1.28 | 10 |
| I279860 | | <0.5 | 7.11 | <5 | 250 | 0.6 | <2 | 3.68 | <0.5 | 20 | 133 | 40 | 4.12 | 20 | 0.83 | 10 |
| I279861 | | <0.5 | 8.54 | 6 | 180 | 0.5 | <2 | 6.28 | <0.5 | 28 | 48 | 5 | 7.05 | 20 | 0.50 | 10 |

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Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th | Ti | Tl | U |
| | Units | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 5 | 1 | 1 | 20 | 0.01 | 10 | 10 |
| I279855 | | 0.17 | 1415 | <1 | 2.73 | 20 | 790 | <2 | <0.01 | 5 | 12 | 150 | <20 | 0.17 | 10 | <10 |
| I279856 | | 2.96 | 974 | <1 | 1.46 | 217 | 570 | <2 | 0.02 | <5 | 22 | 187 | <20 | 0.29 | 10 | <10 |
| I279857 | | 2.12 | 1405 | <1 | 1.72 | 34 | 1660 | 4 | 0.02 | <5 | 21 | 287 | <20 | 0.29 | 10 | <10 |
| I279858 | | 0.97 | 1880 | <1 | 2.07 | 71 | 610 | 4 | 0.15 | 5 | 18 | 177 | <20 | 0.21 | <10 | <10 |
| I279859 | | 0.48 | 1100 | <1 | 1.81 | 21 | 500 | <2 | 0.02 | <5 | 10 | 199 | <20 | 0.22 | <10 | <10 |
| I279860 | | 1.29 | 741 | <1 | 1.83 | 57 | 620 | <2 | <0.01 | <5 | 15 | 216 | <20 | 0.34 | <10 | <10 |
| I279861 | | 1.79 | 1675 | <1 | 2.52 | 35 | 700 | <2 | <0.01 | 5 | 22 | 195 | <20 | 0.43 | <10 | <10 |

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Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|---|---|---|---|---|
| I279855 | | 74 | <10 | 184 |
| I279856 | | 127 | <10 | 137 |
| I279857 | | 152 | <10 | 87 |
| I279858 | | 91 | <10 | 325 |
| I279859 | | 62 | <10 | 68 |
| I279860 | | 128 | <10 | 89 |
| I279861 | | 158 | <10 | 136 |

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**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS TM14084679

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.
FND-02