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: 27-MAR-2014**
**Account: OSIKLI**

# CERTIFICATE SD14042822

Project: KL_LITHO

P.O. No.: KL 000436

This report is for 99 Rock samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2014.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MIKE FELL | FRANK PLOEGER | 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: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N443778 | | <0.5 | 7.82 | <5 | 1840 | 2.6 | 3 | 1.12 | <0.5 | 6 | 46 | 12 | 2.27 | 20 | 4.34 | 50 |
| N443779 | | <0.5 | 7.86 | <5 | 1930 | 1.3 | 4 | 1.18 | <0.5 | 5 | 51 | 34 | 2.20 | 20 | 4.44 | 50 |
| N443780 | | <0.5 | 8.17 | <5 | 1580 | 1.3 | <2 | 0.72 | <0.5 | 4 | 38 | 28 | 2.02 | 20 | 4.53 | 50 |
| N443781 | | <0.5 | 8.01 | <5 | 2160 | 1.0 | <2 | 1.07 | <0.5 | 5 | 41 | 11 | 1.70 | 20 | 4.50 | 20 |
| N443782 | | <0.5 | 7.95 | 5 | 1770 | 1.5 | 2 | 1.21 | <0.5 | 6 | 45 | 8 | 1.97 | 20 | 4.40 | 40 |
| N443783 | | <0.5 | 8.04 | <5 | 2110 | 1.2 | <2 | 1.14 | <0.5 | 6 | 43 | 10 | 1.98 | 20 | 4.56 | 40 |
| N443784 | | <0.5 | 7.43 | 5 | 2190 | 1.2 | <2 | 1.52 | <0.5 | 6 | 56 | 55 | 1.96 | 20 | 4.01 | 30 |
| N443785 | | <0.5 | 7.49 | <5 | 2050 | 0.8 | 3 | 0.65 | <0.5 | 6 | 41 | 17 | 1.85 | 20 | 4.64 | 30 |
| N443786 | | <0.5 | 6.67 | <5 | 1840 | 1.6 | <2 | 4.78 | <0.5 | 24 | 190 | 24 | 5.40 | 10 | 1.30 | 40 |
| N443787 | | <0.5 | 7.43 | <5 | 2820 | 1.2 | <2 | 1.74 | <0.5 | 7 | 62 | 61 | 2.51 | 20 | 3.95 | 40 |
| N443788 | | <0.5 | 7.48 | <5 | 2070 | 1.4 | 2 | 1.20 | <0.5 | 5 | 40 | 15 | 2.05 | 20 | 4.32 | 40 |
| N443789 | | <0.5 | 7.68 | 5 | 2160 | 1.7 | 4 | 1.18 | <0.5 | 5 | 38 | 13 | 2.05 | 20 | 4.40 | 40 |
| N443790 | | <0.5 | 7.48 | 6 | 2060 | 1.6 | 2 | 1.42 | <0.5 | 6 | 41 | 12 | 2.12 | 20 | 4.35 | 40 |
| N443791 | | <0.5 | 7.76 | <5 | 2400 | 1.0 | <2 | 1.47 | <0.5 | 6 | 41 | 14 | 2.08 | 20 | 4.54 | 30 |
| N443792 | | <0.5 | 7.60 | <5 | 3090 | 0.8 | <2 | 1.85 | <0.5 | 8 | 64 | 12 | 2.58 | 20 | 3.64 | 40 |
| N443793 | | <0.5 | 8.03 | <5 | 3270 | 0.8 | <2 | 0.54 | <0.5 | 5 | 20 | 14 | 1.35 | 20 | 4.63 | 20 |
| N443794 | | <0.5 | 8.30 | <5 | 2480 | 1.4 | <2 | 1.39 | <0.5 | 9 | 45 | 76 | 2.68 | 20 | 4.56 | 50 |
| N443795 | | <0.5 | 7.69 | <5 | 6720 | 0.9 | <2 | 4.51 | <0.5 | 24 | 144 | 9 | 5.39 | 20 | 2.32 | 50 |
| N443796 | | <0.5 | 8.28 | <5 | 2030 | 1.6 | <2 | 0.52 | <0.5 | 3 | 21 | 11 | 1.45 | 20 | 5.09 | 20 |
| N443797 | | <0.5 | 8.21 | <5 | 1620 | 0.9 | <2 | 1.19 | <0.5 | 7 | 49 | 15 | 2.65 | 20 | 3.72 | 50 |
| N443798 | | <0.5 | 8.15 | <5 | 1490 | 1.7 | <2 | 1.02 | <0.5 | 8 | 49 | 27 | 2.43 | 20 | 4.60 | 60 |
| N443799 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N443800 | | <0.5 | 7.36 | <5 | 2670 | 2.4 | <2 | 3.45 | <0.5 | 23 | 216 | 15 | 4.13 | 20 | 2.48 | 40 |
| N443801 | | <0.5 | 8.35 | <5 | 2100 | 1.0 | <2 | 1.42 | <0.5 | 6 | 35 | 36 | 1.90 | 20 | 4.31 | 30 |
| N443802 | | <0.5 | 8.23 | <5 | 1960 | 1.3 | <2 | 1.39 | <0.5 | 8 | 43 | 24 | 2.29 | 20 | 4.33 | 40 |
| N443803 | | <0.5 | 7.90 | <5 | 2500 | 1.2 | <2 | 2.14 | <0.5 | 12 | 79 | 55 | 2.78 | 20 | 3.82 | 30 |
| N443804 | | <0.5 | 8.23 | <5 | 2010 | 1.1 | <2 | 1.14 | <0.5 | 8 | 48 | 13 | 2.41 | 20 | 4.55 | 50 |
| N443805 | | <0.5 | 8.50 | <5 | 2310 | 1.7 | <2 | 1.24 | <0.5 | 7 | 37 | 26 | 1.98 | 20 | 4.53 | 40 |
| N443806 | | <0.5 | 8.16 | <5 | 2190 | 1.4 | <2 | 1.46 | <0.5 | 8 | 46 | 29 | 2.45 | 20 | 4.40 | 40 |
| N443807 | | <0.5 | 3.91 | <5 | 420 | 1.1 | <2 | 7.66 | 0.7 | 67 | 882 | 89 | 7.08 | 10 | 0.60 | 20 |
| N443808 | | <0.5 | 5.13 | <5 | 790 | 2.7 | <2 | 8.61 | 0.6 | 62 | 531 | 103 | 9.80 | 20 | 0.80 | 40 |
| N443809 | | <0.5 | 8.53 | <5 | 3010 | 1.5 | <2 | 1.09 | <0.5 | 8 | 43 | 37 | 2.21 | 20 | 3.74 | 40 |
| N443810 | | <0.5 | 8.32 | <5 | 2980 | 1.3 | <2 | 1.42 | <0.5 | 7 | 40 | 19 | 2.27 | 20 | 4.25 | 30 |
| N443811 | | <0.5 | 8.15 | <5 | 2350 | 1.2 | <2 | 1.91 | <0.5 | 11 | 51 | 40 | 2.81 | 20 | 4.17 | 40 |
| N443812 | | <0.5 | 7.37 | <5 | 5780 | 1.2 | <2 | 3.11 | <0.5 | 15 | 98 | 66 | 3.24 | 20 | 1.80 | 30 |
| N443813 | | <0.5 | 8.07 | <5 | 940 | 1.1 | <2 | 0.35 | <0.5 | 8 | 44 | 4 | 2.35 | 20 | 1.95 | 40 |
| N443814 | | <0.5 | 7.68 | 5 | 1140 | 2.8 | <2 | 0.99 | <0.5 | 6 | 67 | 1 | 1.94 | 20 | 4.28 | 40 |
| N443815 | | <0.5 | 6.96 | 12 | 660 | 1.1 | <2 | 1.23 | <0.5 | 20 | 192 | 30 | 3.84 | 20 | 2.24 | 20 |
| N443816 | | <0.5 | 6.33 | 11 | 530 | 1.8 | <2 | 2.76 | <0.5 | 29 | 243 | 45 | 4.60 | 20 | 1.83 | 20 |
| N443817 | | <0.5 | 3.00 | 5 | 30 | 1.1 | <2 | 4.49 | <0.5 | 76 | 1265 | 9 | 6.17 | 10 | 0.27 | <10 |

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**Finalized Date: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
| N443778 | | 0.74 | 532 | <1 | 4.58 | 17 | 720 | 30 | <0.01 | <5 | 4 | 1240 | <20 | 0.23 | 10 | <10 |
| N443779 | | 0.81 | 487 | <1 | 4.54 | 16 | 790 | 19 | <0.01 | <5 | 4 | 1285 | <20 | 0.21 | <10 | <10 |
| N443780 | | 0.51 | 292 | <1 | 4.68 | 14 | 570 | 23 | <0.01 | <5 | 3 | 1030 | <20 | 0.23 | <10 | <10 |
| N443781 | | 0.60 | 449 | <1 | 4.58 | 11 | 600 | 19 | <0.01 | 5 | 3 | 1490 | <20 | 0.14 | <10 | <10 |
| N443782 | | 0.71 | 453 | <1 | 4.59 | 16 | 670 | 20 | <0.01 | <5 | 4 | 1235 | <20 | 0.19 | <10 | <10 |
| N443783 | | 0.71 | 430 | <1 | 4.71 | 16 | 700 | 24 | 0.01 | <5 | 4 | 1325 | <20 | 0.19 | <10 | <10 |
| N443784 | | 0.98 | 494 | <1 | 4.40 | 22 | 890 | 17 | 0.01 | <5 | 5 | 1595 | <20 | 0.16 | <10 | <10 |
| N443785 | | 0.75 | 303 | <1 | 4.18 | 15 | 600 | 20 | 0.01 | <5 | 3 | 1300 | <20 | 0.19 | 10 | <10 |
| N443786 | | 3.31 | 1005 | <1 | 4.08 | 73 | 2280 | 21 | 0.02 | <5 | 17 | 2640 | <20 | 0.36 | 10 | <10 |
| N443787 | | 1.01 | 600 | <1 | 4.29 | 22 | 950 | 22 | 0.01 | <5 | 5 | 1935 | <20 | 0.20 | <10 | <10 |
| N443788 | | 0.77 | 479 | <1 | 4.35 | 15 | 710 | 24 | 0.01 | <5 | 4 | 1375 | <20 | 0.20 | <10 | <10 |
| N443789 | | 0.74 | 396 | <1 | 4.55 | 16 | 710 | 25 | 0.01 | <5 | 4 | 1505 | <20 | 0.18 | <10 | <10 |
| N443790 | | 0.75 | 487 | <1 | 4.49 | 16 | 790 | 22 | <0.01 | <5 | 4 | 1460 | <20 | 0.19 | <10 | <10 |
| N443791 | | 0.80 | 517 | <1 | 4.19 | 17 | 800 | 23 | <0.01 | <5 | 4 | 1600 | <20 | 0.18 | <10 | <10 |
| N443792 | | 1.08 | 598 | <1 | 4.24 | 26 | 1040 | 20 | <0.01 | <5 | 6 | 2360 | <20 | 0.24 | <10 | <10 |
| N443793 | | 0.30 | 217 | <1 | 4.57 | 6 | 530 | 24 | 0.01 | <5 | 1 | 1830 | <20 | 0.11 | <10 | <10 |
| N443794 | | 0.80 | 549 | <1 | 3.97 | 18 | 850 | 29 | 0.07 | <5 | 6 | 1295 | <20 | 0.15 | <10 | <10 |
| N443795 | | 2.80 | 1130 | <1 | 3.46 | 64 | 2410 | 9 | 0.02 | <5 | 16 | 6860 | 30 | 0.42 | <10 | <10 |
| N443796 | | 0.36 | 286 | <1 | 3.72 | 6 | 320 | 18 | 0.01 | <5 | 3 | 914 | <20 | 0.13 | <10 | <10 |
| N443797 | | 0.81 | 344 | <1 | 4.69 | 15 | 770 | 32 | 0.01 | <5 | 5 | 1100 | <20 | 0.25 | <10 | <10 |
| N443798 | | 0.79 | 534 | 1 | 4.46 | 16 | 780 | 14 | <0.01 | <5 | 5 | 930 | <20 | 0.26 | <10 | <10 |
| N443799 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N443800 | | 3.07 | 1080 | <1 | 3.92 | 118 | 1560 | 16 | 0.02 | <5 | 11 | 2010 | <20 | 0.36 | <10 | <10 |
| N443801 | | 0.62 | 324 | <1 | 4.62 | 13 | 630 | 17 | 0.01 | <5 | 4 | 1335 | <20 | 0.22 | <10 | <10 |
| N443802 | | 0.75 | 495 | <1 | 4.74 | 14 | 750 | 23 | <0.01 | <5 | 4 | 1460 | <20 | 0.22 | <10 | <10 |
| N443803 | | 1.33 | 639 | <1 | 4.31 | 26 | 1150 | 18 | 0.01 | <5 | 7 | 1910 | <20 | 0.24 | <10 | <10 |
| N443804 | | 0.81 | 534 | <1 | 4.48 | 16 | 880 | 19 | <0.01 | <5 | 4 | 1275 | <20 | 0.25 | <10 | <10 |
| N443805 | | 0.75 | 390 | 1 | 4.87 | 14 | 760 | 25 | 0.01 | <5 | 4 | 1655 | <20 | 0.19 | <10 | <10 |
| N443806 | | 0.81 | 526 | <1 | 4.55 | 15 | 830 | 24 | <0.01 | <5 | 5 | 1630 | <20 | 0.23 | <10 | <10 |
| N443807 | | 10.75 | 2080 | <1 | 1.26 | 231 | 610 | 193 | 0.13 | <5 | 40 | 300 | <20 | 0.38 | <10 | <10 |
| N443808 | | 8.09 | 1980 | <1 | 1.62 | 136 | 2690 | 4 | 0.26 | <5 | 44 | 738 | <20 | 0.82 | <10 | <10 |
| N443809 | | 0.73 | 326 | <1 | 4.85 | 17 | 840 | 21 | 0.01 | <5 | 4 | 1645 | <20 | 0.22 | <10 | <10 |
| N443810 | | 0.77 | 379 | 1 | 4.31 | 14 | 800 | 23 | <0.01 | <5 | 5 | 2070 | <20 | 0.20 | <10 | <10 |
| N443811 | | 1.01 | 585 | <1 | 4.05 | 18 | 880 | 58 | 0.05 | <5 | 7 | 1385 | <20 | 0.24 | <10 | <10 |
| N443812 | | 1.77 | 751 | <1 | 4.75 | 62 | 1390 | 5 | 0.09 | <5 | 9 | 1430 | <20 | 0.26 | <10 | <10 |
| N443813 | | 1.47 | 157 | 1 | 5.36 | 17 | 770 | 13 | 0.01 | <5 | 4 | 889 | <20 | 0.20 | <10 | <10 |
| N443814 | | 0.41 | 425 | <1 | 4.06 | 13 | 640 | 10 | 0.06 | <5 | 5 | 413 | <20 | 0.13 | <10 | <10 |
| N443815 | | 1.93 | 514 | <1 | 3.00 | 100 | 650 | 4 | 0.07 | <5 | 14 | 322 | <20 | 0.31 | <10 | <10 |
| N443816 | | 2.23 | 772 | 1 | 2.40 | 133 | 810 | 5 | 0.17 | 5 | 19 | 489 | <20 | 0.28 | <10 | <10 |
| N443817 | | 11.65 | 1100 | <1 | 0.03 | 1050 | 90 | <2 | 0.06 | <5 | 19 | 163 | <20 | 0.09 | <10 | <10 |

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Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
|---|---|---|---|---|
| N443778 | | 60 | <10 | 62 |
| N443779 | | 58 | <10 | 64 |
| N443780 | | 59 | <10 | 34 |
| N443781 | | 44 | <10 | 38 |
| N443782 | | 52 | <10 | 49 |
| N443783 | | 53 | <10 | 49 |
| N443784 | | 58 | <10 | 49 |
| N443785 | | 50 | <10 | 45 |
| N443786 | | 172 | <10 | 85 |
| N443787 | | 69 | <10 | 59 |
| N443788 | | 57 | <10 | 52 |
| N443789 | | 53 | <10 | 41 |
| N443790 | | 58 | <10 | 55 |
| N443791 | | 56 | <10 | 48 |
| N443792 | | 73 | <10 | 67 |
| N443793 | | 35 | <10 | 31 |
| N443794 | | 76 | 10 | 69 |
| N443795 | | 149 | <10 | 129 |
| N443796 | | 42 | 10 | 27 |
| N443797 | | 73 | 10 | 48 |
| N443798 | | 67 | <10 | 62 |
| N443799 | | NSS | NSS | NSS |
| N443800 | | 103 | <10 | 130 |
| N443801 | | 55 | <10 | 27 |
| N443802 | | 59 | <10 | 57 |
| N443803 | | 78 | <10 | 77 |
| N443804 | | 68 | <10 | 55 |
| N443805 | | 51 | <10 | 53 |
| N443806 | | 65 | <10 | 61 |
| N443807 | | 168 | <10 | 268 |
| N443808 | | 333 | <10 | 204 |
| N443809 | | 60 | <10 | 37 |
| N443810 | | 62 | <10 | 39 |
| N443811 | | 74 | <10 | 114 |
| N443812 | | 97 | <10 | 81 |
| N443813 | | 62 | <10 | 27 |
| N443814 | | 47 | 10 | 19 |
| N443815 | | 109 | <10 | 71 |
| N443816 | | 133 | <10 | 97 |
| N443817 | | 110 | <10 | 95 |

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# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N443818 | | <0.5 | 4.68 | <5 | 880 | 2.0 | <2 | 6.26 | 0.5 | 39 | 489 | 43 | 4.98 | 10 | 0.31 | 40 |
| N443819 | | <0.5 | 7.76 | 5 | 1250 | 6.3 | <2 | 0.42 | <0.5 | 6 | 22 | 67 | 1.76 | 20 | 4.11 | 40 |
| N443820 | | <0.5 | 8.26 | <5 | 1380 | 2.2 | <2 | 0.77 | <0.5 | 3 | 34 | 11 | 1.78 | 30 | 4.65 | 60 |
| N443821 | | <0.5 | 2.74 | 10 | 140 | 0.8 | <2 | 3.03 | <0.5 | 23 | 547 | 49 | 3.81 | 10 | 0.51 | 10 |
| N443822 | | 0.5 | 2.80 | 12 | 680 | 0.6 | <2 | 4.16 | 0.8 | 47 | 776 | 81 | 5.11 | 10 | 0.85 | 10 |
| N443823 | | <0.5 | 6.55 | 5 | 530 | 2.6 | <2 | 2.21 | <0.5 | 35 | 405 | 68 | 4.90 | 20 | 2.25 | 10 |
| N443824 | | <0.5 | 6.96 | 10 | 670 | 1.4 | <2 | 1.64 | <0.5 | 30 | 353 | 40 | 4.93 | 20 | 2.18 | 10 |
| N443825 | | <0.5 | 6.63 | 10 | 610 | 1.5 | <2 | 1.47 | <0.5 | 34 | 251 | 87 | 5.16 | 20 | 1.41 | 20 |
| N443826 | | <0.5 | 6.59 | 22 | 750 | 1.2 | <2 | 0.63 | <0.5 | 24 | 250 | 40 | 4.88 | 20 | 1.85 | 20 |
| N443827 | | <0.5 | 5.56 | 25 | 540 | 1.5 | <2 | 3.37 | <0.5 | 23 | 253 | 58 | 4.35 | 20 | 5.05 | 20 |
| N443828 | | <0.5 | 6.77 | 34 | 720 | 1.4 | <2 | 2.25 | <0.5 | 28 | 241 | 19 | 4.42 | 20 | 1.04 | 20 |
| N443829 | | 1.6 | 6.77 | 22 | 100 | <0.5 | 5 | 2.92 | <0.5 | 60 | 77 | 163 | 6.71 | 10 | 1.00 | <10 |
| N443830 | | <0.5 | 6.84 | 9 | 400 | 2.7 | 4 | 2.71 | <0.5 | 35 | 337 | 9 | 5.58 | 20 | 2.70 | 10 |
| N443831 | | <0.5 | 6.83 | 9 | 430 | 1.1 | 6 | 2.57 | <0.5 | 31 | 349 | 63 | 5.27 | 20 | 1.16 | 20 |
| N443832 | | <0.5 | 6.53 | 11 | 2820 | 1.9 | 2 | 4.60 | <0.5 | 18 | 200 | 13 | 4.15 | 10 | 2.68 | 40 |
| N443833 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N443834 | | <0.5 | 7.44 | 32 | 1430 | 1.9 | <2 | 2.19 | <0.5 | 16 | 226 | 44 | 4.09 | 20 | 2.61 | 30 |
| N443835 | | <0.5 | 6.52 | 11 | 570 | 1.1 | 5 | 2.14 | <0.5 | 18 | 162 | 42 | 3.54 | 10 | 1.73 | 20 |
| N443836 | | <0.5 | 5.93 | 22 | 730 | 1.0 | 2 | 4.15 | <0.5 | 24 | 195 | 37 | 3.88 | 10 | 5.24 | 20 |
| N443837 | | <0.5 | 7.07 | 9 | 580 | 1.4 | <2 | 2.02 | <0.5 | 20 | 168 | 36 | 3.66 | 20 | 2.37 | 20 |
| N443838 | | <0.5 | 5.77 | 21 | 750 | 1.1 | <2 | 5.07 | <0.5 | 22 | 136 | 13 | 3.42 | 10 | 5.24 | 30 |
| N443839 | | <0.5 | 6.57 | 10 | 580 | 1.7 | 5 | 3.05 | <0.5 | 31 | 316 | 50 | 5.24 | 10 | 1.72 | 20 |
| N443840 | | <0.5 | 6.83 | 8 | 2770 | 1.8 | <2 | 5.53 | <0.5 | 24 | 123 | 58 | 6.20 | 30 | 1.63 | 70 |
| N443841 | | <0.5 | 7.23 | 21 | 600 | 1.0 | 4 | 2.13 | <0.5 | 50 | 299 | 110 | 6.60 | 20 | 1.91 | 10 |
| N443842 | | <0.5 | 7.43 | 24 | 1220 | 1.2 | 7 | 1.75 | <0.5 | 20 | 119 | 32 | 3.50 | 20 | 1.76 | 10 |
| N443843 | | <0.5 | 6.70 | 23 | 970 | 1.7 | <2 | 2.68 | <0.5 | 19 | 90 | 38 | 4.18 | 20 | 1.62 | 20 |
| N443844 | | <0.5 | 7.56 | 11 | 790 | 1.1 | 6 | 1.02 | <0.5 | 25 | 172 | 79 | 4.71 | 20 | 2.18 | 20 |
| N443845 | | <0.5 | 6.45 | 11 | 440 | 2.1 | 6 | 2.94 | <0.5 | 24 | 198 | 32 | 3.84 | 20 | 2.26 | 20 |
| N443846 | | <0.5 | 3.35 | <5 | 630 | 1.6 | 4 | 7.83 | <0.5 | 17 | 344 | 40 | 4.05 | 10 | 1.88 | 20 |
| N443847 | | <0.5 | 6.54 | 16 | 370 | 1.4 | 3 | 1.54 | <0.5 | 23 | 238 | 54 | 4.64 | 20 | 1.47 | 20 |
| N443848 | | <0.5 | 7.16 | 38 | 420 | 0.6 | 8 | 1.29 | <0.5 | 30 | 178 | 66 | 5.98 | 10 | 0.83 | 10 |
| N443849 | | <0.5 | 7.79 | 20 | 500 | 0.8 | 3 | 2.25 | <0.5 | 7 | 52 | 10 | 3.05 | 20 | 0.93 | 20 |
| N443850 | | <0.5 | 3.16 | 946 | 400 | 1.2 | 2 | 7.30 | <0.5 | 79 | 1275 | <1 | 7.24 | 10 | 1.96 | <10 |
| N443851 | | <0.5 | 6.38 | 21 | 570 | 1.0 | 8 | 2.94 | <0.5 | 29 | 244 | 68 | 5.07 | 20 | 1.67 | 20 |
| N443852 | | <0.5 | 6.59 | 37 | 480 | 1.8 | 4 | 1.09 | <0.5 | 15 | 92 | 29 | 3.96 | 20 | 1.22 | 30 |
| N443853 | | <0.5 | 6.25 | 33 | 410 | 1.3 | <2 | 2.27 | <0.5 | 24 | 307 | 21 | 5.14 | 20 | 1.64 | 10 |
| N443854 | | <0.5 | 8.77 | <5 | 2450 | 0.8 | 2 | 0.57 | <0.5 | 9 | 69 | 33 | 2.79 | 20 | 4.23 | 40 |
| N443855 | | <0.5 | 7.05 | 126 | 1000 | 3.5 | 3 | 1.79 | <0.5 | 42 | 748 | 32 | 6.35 | 20 | 3.35 | 20 |
| N443856 | | <0.5 | 6.33 | 26 | 190 | 0.7 | <2 | 2.18 | <0.5 | 27 | 122 | 4 | 3.16 | 10 | 0.64 | 20 |
| N443857 | | <0.5 | 5.33 | 5 | 680 | 3.9 | <2 | 1.30 | <0.5 | 2 | 44 | 2 | 1.75 | 20 | 1.91 | 30 |

***** 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: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N443818 | | 5.53 | 1200 | 1 | 3.22 | 233 | 2530 | 4 | 0.06 | <5 | 22 | 497 | <20 | 0.16 | <10 | <10 |
| N443819 | | 0.16 | 340 | <1 | 4.62 | 9 | 450 | 14 | 0.06 | <5 | 2 | 389 | <20 | 0.13 | <10 | <10 |
| N443820 | | 0.29 | 457 | <1 | 4.77 | 15 | 710 | 21 | 0.01 | <5 | 3 | 553 | 20 | 0.16 | <10 | <10 |
| N443821 | | 4.07 | 859 | 1 | 1.61 | 290 | 110 | 3 | 0.02 | <5 | 18 | 259 | <20 | 0.06 | <10 | <10 |
| N443822 | | 7.95 | 1020 | 1 | 1.41 | 523 | 590 | 439 | 0.85 | <5 | 17 | 426 | <20 | 0.08 | <10 | <10 |
| N443823 | | 1.10 | 845 | 2 | 2.33 | 205 | 650 | 4 | 0.21 | <5 | 21 | 108 | <20 | 0.19 | <10 | <10 |
| N443824 | | 2.25 | 499 | 1 | 2.27 | 182 | 710 | 3 | 0.16 | <5 | 17 | 237 | <20 | 0.28 | <10 | <10 |
| N443825 | | 2.62 | 775 | 1 | 3.04 | 142 | 810 | 9 | 0.10 | <5 | 22 | 180 | <20 | 0.21 | <10 | <10 |
| N443826 | | 1.92 | 696 | <1 | 1.78 | 104 | 750 | 7 | 0.11 | <5 | 19 | 118 | <20 | 0.28 | <10 | <10 |
| N443827 | | 1.79 | 868 | 1 | 0.77 | 105 | 710 | 4 | 0.17 | <5 | 18 | 451 | <20 | 0.21 | <10 | <10 |
| N443828 | | 0.95 | 889 | 1 | 4.38 | 133 | 870 | 8 | 1.68 | <5 | 16 | 126 | <20 | 0.15 | <10 | <10 |
| N443829 | | 1.17 | 1465 | <1 | 5.52 | 94 | 360 | 3550 | 0.91 | <5 | 38 | 159 | <20 | 0.26 | <10 | <10 |
| N443830 | | 1.70 | 1245 | <1 | 2.02 | 183 | 780 | 10 | 0.26 | <5 | 22 | 161 | <20 | 0.17 | <10 | <10 |
| N443831 | | 2.46 | 867 | <1 | 2.73 | 222 | 710 | 11 | 0.10 | <5 | 21 | 305 | <20 | 0.21 | 10 | <10 |
| N443832 | | 2.57 | 1220 | <1 | 2.72 | 65 | 1480 | 13 | 0.05 | <5 | 19 | 1150 | <20 | 0.19 | <10 | <10 |
| N443833 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N443834 | | 2.06 | 602 | <1 | 1.72 | 103 | 1090 | 47 | 0.11 | <5 | 15 | 757 | <20 | 0.20 | 10 | <10 |
| N443835 | | 1.15 | 834 | <1 | 2.73 | 89 | 700 | 6 | 0.06 | 8 | 13 | 239 | <20 | 0.22 | <10 | <10 |
| N443836 | | 1.82 | 795 | 7 | 1.23 | 113 | 740 | 9 | 0.43 | 5 | 15 | 570 | <20 | 0.18 | 10 | <10 |
| N443837 | | 1.70 | 525 | 5 | 2.80 | 88 | 650 | 7 | 0.32 | <5 | 13 | 403 | <20 | 0.20 | <10 | <10 |
| N443838 | | 2.13 | 983 | 4 | 0.38 | 62 | 600 | 8 | 0.42 | 8 | 12 | 505 | <20 | 0.19 | <10 | <10 |
| N443839 | | 2.53 | 1055 | <1 | 1.93 | 182 | 870 | 4 | 0.13 | <5 | 21 | 262 | <20 | 0.22 | <10 | <10 |
| N443840 | | 2.54 | 1335 | <1 | 3.51 | 50 | 2370 | 6 | 0.30 | <5 | 26 | 698 | 20 | 0.38 | <10 | <10 |
| N443841 | | 2.29 | 778 | <1 | 1.28 | 151 | 730 | 7 | 0.92 | <5 | 26 | 257 | <20 | 0.28 | 10 | <10 |
| N443842 | | 1.76 | 531 | <1 | 2.95 | 63 | 550 | 4 | 0.19 | <5 | 17 | 469 | <20 | 0.24 | <10 | <10 |
| N443843 | | 1.08 | 825 | <1 | 3.62 | 53 | 600 | 6 | 1.30 | <5 | 15 | 633 | <20 | 0.22 | <10 | <10 |
| N443844 | | 1.38 | 690 | <1 | 2.28 | 90 | 550 | 8 | 0.19 | <5 | 20 | 130 | <20 | 0.22 | <10 | <10 |
| N443845 | | 1.29 | 772 | 3 | 2.42 | 103 | 810 | 7 | 0.17 | <5 | 17 | 122 | <20 | 0.20 | <10 | <10 |
| N443846 | | 3.63 | 1355 | 2 | 0.33 | 135 | 950 | 4 | 0.28 | <5 | 15 | 460 | <20 | 0.12 | <10 | <10 |
| N443847 | | 1.63 | 549 | <1 | 2.57 | 109 | 660 | 7 | 0.19 | <5 | 19 | 160 | <20 | 0.25 | <10 | <10 |
| N443848 | | 2.26 | 783 | <1 | 2.07 | 99 | 580 | 4 | 0.44 | <5 | 22 | 269 | <20 | 0.23 | <10 | <10 |
| N443849 | | 1.19 | 704 | <1 | 5.16 | 26 | 580 | <2 | 0.06 | 7 | 11 | 443 | <20 | 0.17 | <10 | <10 |
| N443850 | | 12.85 | 1515 | <1 | 0.02 | 925 | 20 | 10 | 0.02 | <5 | 23 | 1090 | <20 | 0.07 | <10 | <10 |
| N443851 | | 2.27 | 940 | <1 | 1.90 | 135 | 710 | 3 | 0.09 | <5 | 20 | 326 | <20 | 0.25 | <10 | <10 |
| N443852 | | 0.36 | 986 | <1 | 2.68 | 52 | 360 | 15 | 0.05 | 6 | 12 | 288 | 20 | 0.13 | <10 | <10 |
| N443853 | | 2.20 | 1465 | <1 | 1.24 | 157 | 470 | 3 | 0.13 | 5 | 18 | 277 | <20 | 0.28 | <10 | <10 |
| N443854 | | 0.50 | 400 | <1 | 4.79 | 26 | 1040 | 23 | 0.02 | <5 | 5 | 1155 | <20 | 0.15 | <10 | <10 |
| N443855 | | 1.86 | 1350 | <1 | 0.82 | 275 | 1030 | 2 | 0.02 | 6 | 23 | 305 | <20 | 0.08 | <10 | <10 |
| N443856 | | 1.17 | 762 | <1 | 4.46 | 50 | 660 | 2 | 0.28 | <5 | 11 | 241 | <20 | 0.21 | <10 | <10 |
| N443857 | | 0.81 | 464 | 1 | 3.20 | 51 | 60 | 23 | 0.03 | <5 | 4 | 250 | 90 | 0.09 | <10 | 20 |

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

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**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
|---|---|---|---|---|
| N443818 | | 99 | <10 | 65 |
| N443819 | | 51 | 10 | 17 |
| N443820 | | 51 | 10 | 19 |
| N443821 | | 77 | 10 | 43 |
| N443822 | | 108 | <10 | 117 |
| N443823 | | 153 | <10 | 73 |
| N443824 | | 143 | <10 | 90 |
| N443825 | | 166 | <10 | 113 |
| N443826 | | 144 | <10 | 90 |
| N443827 | | 126 | 10 | 51 |
| N443828 | | 120 | <10 | 63 |
| N443829 | | 224 | <10 | 38 |
| N443830 | | 160 | <10 | 81 |
| N443831 | | 151 | <10 | 131 |
| N443832 | | 124 | 10 | 70 |
| N443833 | | NSS | NSS | NSS |
| N443834 | | 125 | <10 | 54 |
| N443835 | | 103 | <10 | 68 |
| N443836 | | 105 | 10 | 70 |
| N443837 | | 106 | <10 | 85 |
| N443838 | | 92 | <10 | 38 |
| N443839 | | 149 | <10 | 110 |
| N443840 | | 222 | <10 | 58 |
| N443841 | | 201 | <10 | 127 |
| N443842 | | 125 | <10 | 81 |
| N443843 | | 130 | <10 | 48 |
| N443844 | | 151 | <10 | 96 |
| N443845 | | 118 | <10 | 64 |
| N443846 | | 118 | <10 | 85 |
| N443847 | | 145 | <10 | 92 |
| N443848 | | 185 | <10 | 134 |
| N443849 | | 89 | <10 | 47 |
| N443850 | | 154 | <10 | 100 |
| N443851 | | 154 | <10 | 92 |
| N443852 | | 84 | <10 | 65 |
| N443853 | | 139 | <10 | 82 |
| N443854 | | 69 | <10 | 42 |
| N443855 | | 191 | <10 | 76 |
| N443856 | | 82 | <10 | 27 |
| N443857 | | 37 | <10 | 32 |

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**Finalized Date: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
| N443858 | | <0.5 | 6.91 | 10 | 670 | 0.9 | 2 | 1.42 | <0.5 | 23 | 245 | 44 | 4.66 | 20 | 1.57 | 20 |
| N443859 | | <0.5 | 7.12 | 17 | 330 | 0.6 | 3 | 1.21 | <0.5 | 32 | 172 | 50 | 5.71 | 20 | 1.14 | 10 |
| N443860 | | <0.5 | 7.88 | <5 | 30 | <0.5 | 2 | 6.04 | <0.5 | 37 | 211 | 113 | 8.63 | 10 | 0.05 | <10 |
| N443861 | | <0.5 | 7.19 | 8 | 100 | <0.5 | <2 | 5.45 | <0.5 | 39 | 204 | 98 | 8.08 | 20 | 0.19 | <10 |
| N443862 | | <0.5 | 6.77 | <5 | 50 | <0.5 | 6 | 5.76 | <0.5 | 44 | 112 | 125 | 10.45 | 20 | 0.12 | <10 |
| N443863 | | <0.5 | 6.62 | 12 | 30 | <0.5 | 4 | 9.11 | <0.5 | 35 | 156 | 82 | 6.32 | 10 | 0.03 | <10 |
| N443864 | | <0.5 | 7.59 | <5 | 30 | <0.5 | 6 | 6.33 | <0.5 | 39 | 127 | 91 | 10.85 | 20 | 0.05 | <10 |
| L174156 | | <0.5 | 7.81 | <5 | 60 | <0.5 | <2 | 4.86 | <0.5 | 28 | 212 | 52 | 7.52 | 20 | 0.30 | <10 |
| L174157 | | <0.5 | 7.40 | 12 | 160 | <0.5 | <2 | 3.19 | <0.5 | 22 | 41 | 2 | 6.23 | 20 | 0.85 | 10 |
| L174158 | | <0.5 | 6.87 | 7 | 2090 | 2.7 | <2 | 3.43 | <0.5 | 15 | 107 | 37 | 3.87 | 20 | 2.77 | 70 |
| L174159 | | <0.5 | 6.29 | 14 | 1290 | 1.9 | <2 | 3.16 | <0.5 | 24 | 213 | 33 | 4.93 | 20 | 1.78 | 20 |
| L174160 | | <0.5 | 5.52 | 16 | 3400 | 4.6 | <2 | 5.55 | <0.5 | 24 | 45 | 129 | 6.49 | 10 | 3.68 | 150 |
| L174161 | | <0.5 | 7.13 | <5 | 1870 | 1.3 | 2 | 0.59 | <0.5 | 2 | 16 | 3 | 0.93 | 30 | 2.74 | 10 |
| L174162 | | <0.5 | 5.41 | 31 | 1120 | 2.2 | <2 | 5.36 | <0.5 | 22 | 263 | 58 | 5.14 | 20 | 1.67 | 40 |
| L174163 | | <0.5 | 6.04 | <5 | 320 | 0.6 | 3 | 4.53 | <0.5 | 25 | 193 | 163 | 3.53 | 10 | 0.47 | 20 |
| L174164 | | <0.5 | 6.37 | 20 | 530 | 0.7 | <2 | 2.19 | <0.5 | 18 | 83 | 39 | 3.66 | 20 | 1.62 | 20 |
| L174165 | | <0.5 | 6.63 | 108 | 170 | 0.8 | <2 | 0.79 | <0.5 | 7 | 71 | 2 | 1.78 | 10 | 0.45 | 10 |
| L174166 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| L174167 | | <0.5 | 7.67 | 5 | 580 | 2.0 | <2 | 6.14 | <0.5 | 27 | 126 | 100 | 7.26 | 20 | 1.53 | 20 |

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

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**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
| N443858 | | 2.21 | 702 | <1 | 3.00 | 116 | 750 | 6 | 0.04 | <5 | 17 | 295 | <20 | 0.20 | <10 | <10 |
| N443859 | | 1.84 | 647 | <1 | 1.62 | 92 | 540 | 7 | 0.29 | <5 | 22 | 134 | <20 | 0.33 | <10 | <10 |
| N443860 | | 3.89 | 1210 | <1 | 2.34 | 112 | 320 | <2 | 0.06 | <5 | 41 | 95 | <20 | 0.71 | <10 | <10 |
| N443861 | | 4.65 | 1480 | <1 | 1.96 | 108 | 220 | <2 | 0.03 | <5 | 37 | 118 | <20 | 0.52 | <10 | <10 |
| N443862 | | 3.47 | 1455 | <1 | 1.52 | 78 | 840 | <2 | 0.15 | <5 | 43 | 180 | <20 | 1.21 | 10 | <10 |
| N443863 | | 2.44 | 1105 | <1 | 2.32 | 91 | 230 | <2 | 0.06 | <5 | 32 | 127 | <20 | 0.55 | <10 | <10 |
| N443864 | | 3.35 | 1840 | <1 | 0.96 | 75 | 420 | <2 | 0.10 | <5 | 41 | 143 | <20 | 0.87 | 10 | <10 |
| L174156 | | 2.40 | 912 | <1 | 3.98 | 117 | 520 | 6 | 0.02 | <5 | 43 | 297 | <20 | 0.88 | <10 | <10 |
| L174157 | | 1.81 | 1195 | <1 | 1.99 | 26 | 730 | <2 | 0.01 | <5 | 17 | 126 | <20 | 0.36 | 10 | <10 |
| L174158 | | 1.80 | 906 | <1 | 3.56 | 30 | 1510 | 15 | 0.09 | <5 | 11 | 1395 | 20 | 0.22 | <10 | <10 |
| L174159 | | 1.70 | 1310 | <1 | 2.64 | 106 | 680 | <2 | 0.24 | <5 | 15 | 961 | <20 | 0.23 | <10 | <10 |
| L174160 | | 2.33 | 1825 | <1 | 1.64 | 29 | 4350 | 29 | 0.07 | <5 | 17 | 1575 | 40 | 0.59 | <10 | <10 |
| L174161 | | 0.20 | 163 | <1 | 5.02 | 8 | 280 | 6 | 0.22 | <5 | 1 | 397 | <20 | 0.06 | <10 | <10 |
| L174162 | | 3.45 | 1135 | <1 | 2.14 | 57 | 2160 | 6 | 0.03 | <5 | 20 | 884 | <20 | 0.20 | <10 | <10 |
| L174163 | | 2.56 | 610 | 8 | 4.51 | 189 | 400 | <2 | 0.77 | 5 | 11 | 736 | <20 | 0.13 | <10 | <10 |
| L174164 | | 0.90 | 745 | <1 | 2.58 | 49 | 630 | 6 | 0.14 | 7 | 13 | 326 | <20 | 0.24 | <10 | <10 |
| L174165 | | 0.55 | 182 | <1 | 4.06 | 29 | 490 | 2 | 0.49 | <5 | 5 | 258 | <20 | 0.11 | 10 | <10 |
| L174166 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| L174167 | | 2.70 | 1435 | <1 | 4.29 | 38 | 2710 | 7 | 0.02 | <5 | 7 | 896 | <20 | 0.28 | <10 | <10 |

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**Finalized Date: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

| 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 |
|---|---|---|---|---|
| N443858 | | 134 | <10 | 90 |
| N443859 | | 165 | <10 | 108 |
| N443860 | | 344 | <10 | 82 |
| N443861 | | 277 | <10 | 88 |
| N443862 | | 436 | <10 | 100 |
| N443863 | | 267 | <10 | 67 |
| N443864 | | 365 | <10 | 103 |
| L174156 | | 362 | <10 | 47 |
| L174157 | | 129 | <10 | 123 |
| L174158 | | 104 | <10 | 73 |
| L174159 | | 131 | <10 | 113 |
| L174160 | | 167 | <10 | 76 |
| L174161 | | 20 | <10 | 26 |
| L174162 | | 131 | <10 | 63 |
| L174163 | | 32 | 10 | 37 |
| L174164 | | 91 | <10 | 45 |
| L174165 | | 38 | <10 | 24 |
| L174166 | | NSS | NSS | NSS |
| L174167 | | 222 | <10 | 86 |

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**Finalized Date: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042822

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

### LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.
Applies to Method: FND-02

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