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 SD14042944

Project: KL_LITHO

P.O. No.: KL 000436

This report is for 242 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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**KIRKLAND LAKE ON P2N 3L1**


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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N459470 | | <0.5 | 6.92 | 7 | 450 | 1.2 | <2 | 2.56 | <0.5 | 16 | 60 | 11 | 3.20 | 20 | 1.55 | 20 |
| N459471 | | <0.5 | 6.77 | <5 | 1510 | 1.7 | <2 | 2.88 | <0.5 | 23 | 67 | 30 | 5.00 | 20 | 0.95 | 60 |
| N459472 | | <0.5 | 7.41 | <5 | 1390 | 1.4 | <2 | 1.63 | <0.5 | 12 | 40 | 9 | 2.94 | 20 | 2.37 | 20 |
| N459473 | | <0.5 | 6.64 | <5 | 1110 | 1.5 | <2 | 2.89 | <0.5 | 18 | 152 | 4 | 3.15 | 20 | 2.09 | 30 |
| N459474 | | <0.5 | 6.86 | <5 | 1300 | 1.1 | 3 | 1.61 | <0.5 | 11 | 65 | 52 | 2.18 | 20 | 2.70 | 20 |
| N459475 | | <0.5 | 7.26 | <5 | 1080 | 1.2 | <2 | 1.12 | <0.5 | 13 | 89 | 10 | 2.58 | 20 | 1.72 | 30 |
| N459476 | | <0.5 | 6.89 | <5 | 1200 | 1.3 | <2 | 2.26 | <0.5 | 12 | 90 | 24 | 2.69 | 20 | 2.23 | 20 |
| N459477 | | <0.5 | 7.50 | 5 | 1540 | 2.0 | <2 | 2.71 | <0.5 | 10 | 72 | 71 | 3.04 | 20 | 2.53 | 30 |
| N459478 | | <0.5 | 7.23 | 7 | 390 | 0.9 | <2 | 2.07 | <0.5 | 14 | 128 | 40 | 2.80 | 20 | 0.31 | 20 |
| N459479 | | <0.5 | 5.89 | <5 | 1670 | 1.8 | <2 | 5.91 | <0.5 | 47 | 696 | 37 | 6.77 | 20 | 2.39 | 50 |
| N459480 | | <0.5 | 7.10 | <5 | 1310 | 1.3 | <2 | 2.08 | <0.5 | 15 | 91 | 26 | 3.10 | 20 | 1.50 | 30 |
| N459481 | | <0.5 | 7.20 | <5 | 1170 | 1.4 | <2 | 1.48 | <0.5 | 7 | 54 | 10 | 1.81 | 20 | 2.03 | 30 |
| N459482 | | <0.5 | 6.85 | 19 | 1370 | 2.0 | <2 | 1.43 | <0.5 | 7 | 41 | 40 | 1.94 | 20 | 3.79 | 40 |
| N459483 | | <0.5 | 7.59 | <5 | 1350 | 1.5 | <2 | 1.52 | <0.5 | 14 | 63 | 13 | 2.97 | 20 | 1.85 | 20 |
| N459484 | | <0.5 | 6.96 | <5 | 750 | 1.3 | <2 | 2.95 | <0.5 | 19 | 175 | 21 | 3.41 | 20 | 1.78 | 20 |
| N459485 | | <0.5 | 7.22 | <5 | 1950 | 1.2 | <2 | 2.66 | <0.5 | 16 | 121 | 17 | 3.48 | 20 | 1.57 | 30 |
| N459486 | | <0.5 | 7.80 | <5 | 730 | 1.2 | <2 | 0.96 | <0.5 | 14 | 98 | 3 | 2.66 | 20 | 1.93 | 30 |
| N459487 | | <0.5 | 7.63 | <5 | 1390 | 1.6 | <2 | 1.07 | <0.5 | 8 | 57 | 12 | 2.07 | 20 | 1.70 | 40 |
| N459488 | | <0.5 | 6.75 | <5 | 1090 | 0.9 | <2 | 2.13 | <0.5 | 18 | 129 | 14 | 2.82 | 20 | 2.25 | 20 |
| N459489 | | <0.5 | 7.32 | <5 | 770 | 1.3 | 2 | 1.28 | <0.5 | 8 | 55 | 17 | 1.74 | 20 | 0.78 | 30 |
| N459490 | | <0.5 | 7.08 | <5 | 380 | 1.1 | <2 | 0.54 | <0.5 | 7 | 47 | 12 | 1.86 | 20 | 1.45 | 40 |
| N459491 | | <0.5 | 7.34 | <5 | 1620 | 1.4 | <2 | 2.40 | <0.5 | 14 | 109 | 24 | 3.12 | 20 | 2.55 | 20 |
| N459492 | | <0.5 | 7.11 | <5 | 1820 | 1.1 | <2 | 1.59 | <0.5 | 17 | 119 | 6 | 3.11 | 20 | 2.24 | 20 |
| N459493 | | <0.5 | 7.06 | <5 | 960 | 1.2 | 3 | 1.83 | <0.5 | 13 | 102 | 14 | 2.76 | 20 | 1.71 | 20 |
| N459494 | | <0.5 | 7.31 | <5 | 1230 | 1.1 | <2 | 1.24 | <0.5 | 15 | 109 | 24 | 2.97 | 20 | 2.69 | 20 |
| N459495 | | <0.5 | 7.21 | <5 | 610 | 1.1 | 4 | 2.28 | <0.5 | 13 | 92 | 76 | 2.92 | 20 | 1.08 | 20 |
| N459496 | | <0.5 | 7.39 | <5 | 1550 | 1.4 | <2 | 2.22 | <0.5 | 14 | 106 | 21 | 3.11 | 20 | 1.73 | 20 |
| N459497 | | <0.5 | 6.80 | 6 | 890 | 1.6 | 3 | 3.16 | <0.5 | 16 | 121 | 29 | 1.93 | 20 | 2.63 | 20 |
| N459498 | | <0.5 | 6.80 | <5 | 1460 | 1.2 | 2 | 1.82 | <0.5 | 12 | 100 | 8 | 2.38 | 20 | 2.43 | 30 |
| N459499 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N459500 | | <0.5 | 7.28 | <5 | 1150 | 1.1 | <2 | 0.43 | <0.5 | 18 | 168 | 39 | 3.49 | 20 | 2.37 | 30 |
| M565051 | | <0.5 | 7.29 | <5 | 1440 | 1.4 | <2 | 2.29 | <0.5 | 19 | 170 | 31 | 3.66 | 20 | 2.23 | 30 |
| M565052 | | <0.5 | 7.11 | <5 | 1340 | 1.2 | <2 | 2.72 | <0.5 | 18 | 73 | 41 | 3.72 | 20 | 2.35 | 20 |
| M565053 | | <0.5 | 6.92 | 10 | 1170 | 1.5 | <2 | 0.77 | <0.5 | 6 | 35 | 29 | 1.59 | 20 | 1.61 | 50 |
| M565054 | | <0.5 | 7.49 | 6 | 1820 | 1.4 | 3 | 1.08 | <0.5 | 5 | 37 | 16 | 1.52 | 20 | 2.73 | 40 |
| M565055 | | <0.5 | 7.27 | <5 | 90 | <0.5 | <2 | 6.41 | <0.5 | 35 | 63 | 147 | 7.70 | 20 | 0.17 | <10 |
| M565056 | | <0.5 | 6.99 | 6 | 1800 | 1.6 | <2 | 2.70 | <0.5 | 6 | 40 | 10 | 2.16 | 20 | 2.82 | 30 |
| M565057 | | <0.5 | 7.19 | 13 | 1650 | 1.4 | 2 | 1.78 | <0.5 | 7 | 45 | 220 | 1.86 | 20 | 2.01 | 30 |
| N443912 | | <0.5 | 7.44 | 12 | 1000 | 2.4 | <2 | 2.99 | 0.5 | 25 | 116 | 4 | 6.04 | 20 | 3.18 | 60 |
| N443913 | | <0.5 | 6.74 | 13 | 870 | 2.0 | 3 | 3.53 | <0.5 | 37 | 95 | 8 | 5.38 | 20 | 2.54 | 60 |

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

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N459470 | | 1.78 | 516 | <1 | 4.05 | 40 | 910 | 9 | 0.06 | <5 | 10 | 445 | <20 | 0.28 | <10 | <10 |
| N459471 | | 2.00 | 891 | <1 | 4.64 | 34 | 1900 | 11 | 0.94 | <5 | 12 | 1145 | 20 | 0.25 | <10 | <10 |
| N459472 | | 1.42 | 359 | <1 | 3.48 | 28 | 850 | 14 | 0.11 | <5 | 8 | 613 | <20 | 0.26 | <10 | <10 |
| N459473 | | 2.02 | 558 | <1 | 2.79 | 81 | 790 | 10 | 0.22 | <5 | 9 | 728 | <20 | 0.16 | <10 | <10 |
| N459474 | | 1.27 | 347 | <1 | 3.66 | 28 | 800 | 8 | 0.20 | 6 | 5 | 547 | <20 | 0.23 | <10 | <10 |
| N459475 | | 1.40 | 385 | <1 | 4.07 | 41 | 690 | 2 | 0.07 | <5 | 6 | 509 | <20 | 0.24 | <10 | <10 |
| N459476 | | 1.25 | 443 | <1 | 3.62 | 41 | 810 | 4 | 0.15 | <5 | 6 | 695 | <20 | 0.21 | 10 | <10 |
| N459477 | | 1.38 | 692 | <1 | 4.42 | 24 | 980 | 20 | 0.40 | <5 | 6 | 749 | <20 | 0.21 | <10 | <10 |
| N459478 | | 2.06 | 517 | <1 | 6.14 | 64 | 700 | 10 | 0.13 | 6 | 9 | 410 | <20 | 0.24 | <10 | <10 |
| N459479 | | 7.06 | 1325 | <1 | 2.18 | 278 | 2930 | 16 | 0.12 | <5 | 29 | 1375 | 20 | 0.44 | <10 | <10 |
| N459480 | | 1.51 | 441 | <1 | 4.24 | 41 | 980 | 13 | 0.16 | <5 | 7 | 732 | <20 | 0.25 | 10 | <10 |
| N459481 | | 0.74 | 395 | <1 | 4.47 | 23 | 450 | 13 | 0.14 | <5 | 4 | 586 | <20 | 0.10 | <10 | <10 |
| N459482 | | 0.49 | 441 | <1 | 3.10 | 18 | 640 | 20 | 0.58 | <5 | 3 | 780 | 20 | 0.11 | 10 | <10 |
| N459483 | | 1.25 | 436 | <1 | 4.26 | 36 | 820 | 6 | 0.25 | 5 | 9 | 505 | <20 | 0.20 | <10 | <10 |
| N459484 | | 2.33 | 549 | <1 | 3.66 | 88 | 890 | 16 | 0.15 | 8 | 10 | 502 | <20 | 0.23 | <10 | <10 |
| N459485 | | 2.03 | 476 | <1 | 3.73 | 64 | 1080 | 15 | 0.19 | <5 | 9 | 1695 | <20 | 0.28 | 10 | <10 |
| N459486 | | 1.42 | 179 | <1 | 4.29 | 45 | 880 | 6 | 0.10 | <5 | 6 | 423 | <20 | 0.28 | <10 | <10 |
| N459487 | | 0.61 | 443 | <1 | 4.98 | 26 | 510 | 4 | 0.16 | <5 | 5 | 527 | <20 | 0.13 | <10 | <10 |
| N459488 | | 2.17 | 467 | <1 | 3.31 | 79 | 710 | 4 | 0.19 | <5 | 9 | 399 | <20 | 0.23 | <10 | <10 |
| N459489 | | 0.93 | 386 | <1 | 5.72 | 28 | 570 | 8 | 0.12 | 5 | 4 | 499 | <20 | 0.16 | <10 | <10 |
| N459490 | | 0.94 | 283 | <1 | 5.07 | 25 | 430 | 8 | 0.11 | <5 | 4 | 302 | <20 | 0.11 | <10 | <10 |
| N459491 | | 1.55 | 400 | <1 | 3.39 | 48 | 880 | 12 | 0.03 | <5 | 7 | 1005 | <20 | 0.27 | <10 | <10 |
| N459492 | | 1.83 | 360 | <1 | 3.27 | 56 | 870 | 11 | 0.02 | <5 | 8 | 557 | <20 | 0.27 | <10 | <10 |
| N459493 | | 1.61 | 389 | <1 | 3.77 | 53 | 700 | 6 | 0.10 | <5 | 8 | 385 | <20 | 0.17 | <10 | <10 |
| N459494 | | 1.69 | 356 | <1 | 3.20 | 48 | 770 | 3 | 0.06 | 5 | 8 | 369 | <20 | 0.25 | <10 | <10 |
| N459495 | | 1.40 | 419 | <1 | 4.94 | 38 | 820 | 8 | 0.50 | 5 | 6 | 491 | <20 | 0.21 | <10 | <10 |
| N459496 | | 1.46 | 427 | <1 | 4.08 | 46 | 910 | 9 | 0.30 | <5 | 7 | 650 | <20 | 0.26 | <10 | <10 |
| N459497 | | 0.92 | 332 | <1 | 2.88 | 60 | 840 | 12 | 0.22 | 7 | 8 | 178 | <20 | 0.25 | <10 | <10 |
| N459498 | | 1.14 | 413 | <1 | 3.42 | 52 | 530 | 9 | 0.10 | 7 | 7 | 554 | <20 | 0.15 | <10 | <10 |
| N459499 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N459500 | | 2.24 | 199 | <1 | 3.09 | 84 | 890 | 7 | 0.07 | <5 | 9 | 370 | <20 | 0.23 | <10 | <10 |
| M565051 | | 1.98 | 638 | <1 | 3.23 | 91 | 950 | 8 | 0.07 | <5 | 10 | 659 | <20 | 0.22 | 10 | <10 |
| M565052 | | 1.84 | 507 | <1 | 2.88 | 46 | 840 | 5 | 0.37 | 8 | 11 | 490 | <20 | 0.27 | <10 | <10 |
| M565053 | | 0.36 | 434 | 1 | 4.57 | 15 | 440 | 10 | 0.40 | <5 | 2 | 419 | 20 | 0.09 | <10 | <10 |
| M565054 | | 0.43 | 391 | <1 | 3.99 | 12 | 390 | 14 | 0.06 | 5 | 3 | 692 | <20 | 0.10 | <10 | <10 |
| M565055 | | 3.43 | 1475 | <1 | 2.04 | 33 | 270 | <2 | 0.09 | <5 | 46 | 164 | <20 | 0.58 | 10 | <10 |
| M565056 | | 1.00 | 827 | <1 | 3.99 | 16 | 560 | 10 | 0.08 | 6 | 4 | 1095 | <20 | 0.12 | <10 | <10 |
| M565057 | | 0.82 | 442 | 1 | 4.45 | 24 | 550 | 6 | 0.46 | 5 | 4 | 703 | <20 | 0.10 | <10 | <10 |
| N443912 | | 1.32 | 1570 | <1 | 3.11 | 39 | 3000 | 18 | 0.01 | <5 | 19 | 1015 | <20 | 0.41 | <10 | <10 |
| N443913 | | 1.89 | 1175 | <1 | 2.63 | 30 | 2450 | 10 | 0.05 | <5 | 17 | 882 | <20 | 0.34 | <10 | <10 |

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|
| N459470 | | 77 | <10 | 58 |
| N459471 | | 120 | <10 | 88 |
| N459472 | | 74 | <10 | 65 |
| N459473 | | 74 | <10 | 67 |
| N459474 | | 52 | <10 | 53 |
| N459475 | | 61 | <10 | 61 |
| N459476 | | 70 | <10 | 57 |
| N459477 | | 61 | <10 | 48 |
| N459478 | | 66 | <10 | 51 |
| N459479 | | 198 | <10 | 117 |
| N459480 | | 78 | <10 | 82 |
| N459481 | | 34 | <10 | 30 |
| N459482 | | 32 | <10 | 24 |
| N459483 | | 78 | <10 | 57 |
| N459484 | | 83 | <10 | 74 |
| N459485 | | 86 | <10 | 89 |
| N459486 | | 73 | <10 | 55 |
| N459487 | | 44 | <10 | 48 |
| N459488 | | 71 | <10 | 54 |
| N459489 | | 41 | <10 | 38 |
| N459490 | | 39 | <10 | 31 |
| N459491 | | 74 | <10 | 80 |
| N459492 | | 77 | <10 | 66 |
| N459493 | | 65 | <10 | 60 |
| N459494 | | 72 | <10 | 72 |
| N459495 | | 71 | <10 | 65 |
| N459496 | | 81 | <10 | 75 |
| N459497 | | 83 | <10 | 38 |
| N459498 | | 54 | <10 | 58 |
| N459499 | | NSS | NSS | NSS |
| N459500 | | 83 | <10 | 65 |
| M565051 | | 87 | <10 | 106 |
| M565052 | | 98 | <10 | 79 |
| M565053 | | 26 | <10 | 15 |
| M565054 | | 27 | <10 | 24 |
| M565055 | | 359 | <10 | 74 |
| M565056 | | 39 | <10 | 31 |
| M565057 | | 42 | <10 | 23 |
| N443912 | | 185 | <10 | 164 |
| N443913 | | 155 | <10 | 106 |

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# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N443914 | | <0.5 | 9.42 | 12 | 3370 | 5.1 | 2 | 0.67 | <0.5 | 11 | 2 | 77 | 3.38 | 20 | 4.69 | 60 |
| N443915 | | <0.5 | 7.80 | 5 | 2420 | 4.4 | <2 | 1.85 | <0.5 | 16 | 13 | 110 | 4.60 | 20 | 5.08 | 60 |
| N443916 | | <0.5 | 8.00 | 6 | 3730 | 3.5 | <2 | 1.07 | <0.5 | 19 | 34 | 58 | 6.22 | 20 | 5.24 | 100 |
| N443917 | | <0.5 | 7.27 | 6 | 2840 | 7.1 | 3 | 4.24 | <0.5 | 15 | 105 | 138 | 5.38 | 20 | 4.18 | 110 |
| N443918 | | <0.5 | 6.20 | 6 | 540 | 0.9 | <2 | 2.78 | <0.5 | 21 | 144 | 48 | 3.90 | 20 | 1.34 | 20 |
| N443919 | | <0.5 | 7.14 | <5 | 350 | <0.5 | 2 | 4.31 | 0.6 | 37 | 247 | 171 | 8.08 | 10 | 1.37 | <10 |
| N443920 | | <0.5 | 6.43 | 12 | 710 | 0.9 | <2 | 1.81 | <0.5 | 29 | 256 | 48 | 4.95 | 20 | 0.57 | 20 |
| N443921 | | <0.5 | 7.27 | 15 | 2100 | 2.9 | 4 | 3.26 | <0.5 | 30 | 188 | 86 | 6.62 | 20 | 3.34 | 40 |
| N443922 | | <0.5 | 6.78 | 24 | 1900 | 2.4 | 2 | 3.92 | 0.5 | 29 | 169 | 90 | 5.95 | 20 | 4.44 | 40 |
| N443923 | | <0.5 | 7.09 | 16 | 2890 | 7.0 | 3 | 3.55 | <0.5 | 23 | 109 | 80 | 6.05 | 30 | 4.21 | 120 |
| N443924 | | <0.5 | 6.58 | <5 | 310 | 0.7 | 3 | 4.19 | <0.5 | 18 | 15 | 4 | 5.03 | 20 | 0.89 | <10 |
| N443925 | | <0.5 | 8.84 | 12 | 670 | 0.9 | 5 | 1.11 | 0.6 | 44 | 203 | 69 | 11.90 | 20 | 2.62 | <10 |
| N443926 | | <0.5 | 9.86 | 8 | 3150 | 5.2 | <2 | 0.77 | <0.5 | 10 | 2 | 81 | 3.55 | 20 | 6.04 | 70 |
| N443927 | | <0.5 | 6.60 | 13 | 4110 | 5.9 | 6 | 3.86 | <0.5 | 17 | 43 | 117 | 5.30 | 20 | 3.22 | 100 |
| N443928 | | <0.5 | 6.14 | 31 | 520 | 0.7 | <2 | 0.35 | <0.5 | 15 | 104 | 32 | 3.43 | 10 | 3.09 | 20 |
| N443929 | | <0.5 | 10.05 | 13 | 2600 | 5.0 | 2 | 0.65 | <0.5 | 9 | 2 | 59 | 3.43 | 20 | 5.44 | 70 |
| N443930 | | <0.5 | 6.27 | 8 | 5220 | 4.6 | <2 | 6.07 | 0.5 | 24 | 68 | 65 | 6.20 | 20 | 2.76 | 120 |
| I277585 | | <0.5 | 6.98 | 12 | 1170 | 2.6 | 3 | 4.25 | <0.5 | 20 | 84 | 54 | 5.04 | 20 | 2.78 | 70 |
| I277586 | | <0.5 | 6.83 | 14 | 1040 | 2.0 | 3 | 5.44 | <0.5 | 30 | 103 | 71 | 6.39 | 20 | 2.64 | 60 |
| I277587 | | <0.5 | 6.64 | 9 | 1950 | 1.6 | <2 | 5.22 | <0.5 | 29 | 110 | 8 | 5.69 | 20 | 2.04 | 60 |
| I277588 | | <0.5 | 7.18 | 8 | 1200 | 2.3 | <2 | 4.95 | <0.5 | 22 | 93 | 29 | 5.23 | 20 | 2.95 | 70 |
| I277589 | | <0.5 | 6.31 | 14 | 1080 | 1.3 | <2 | 3.62 | 0.5 | 21 | 143 | 45 | 4.16 | 10 | 1.82 | 20 |
| I277590 | | <0.5 | 5.54 | <5 | 410 | 1.1 | <2 | 5.88 | 0.5 | 35 | 254 | 5 | 6.35 | 10 | 0.05 | 20 |
| I277591 | | <0.5 | 6.97 | 23 | 1610 | 2.3 | <2 | 4.85 | 0.6 | 22 | 75 | 77 | 5.21 | 20 | 2.77 | 70 |
| I277592 | | <0.5 | 9.68 | 8 | 2850 | 5.6 | 2 | 1.73 | <0.5 | 11 | 2 | 72 | 3.72 | 20 | 5.53 | 60 |
| I277593 | | <0.5 | 6.88 | 24 | 700 | 1.2 | 3 | 2.32 | <0.5 | 18 | 132 | 56 | 4.21 | 20 | 1.90 | 10 |
| I277594 | | <0.5 | 7.71 | 11 | 950 | 1.4 | 2 | 0.87 | <0.5 | 19 | 181 | 12 | 2.54 | 20 | 1.95 | 20 |
| I277595 | | <0.5 | 7.31 | <5 | >10000 | 2.1 | <2 | 4.81 | <0.5 | 15 | 11 | 78 | 4.27 | 10 | 2.51 | 60 |
| I277596 | | <0.5 | 6.54 | 5 | 660 | 1.1 | <2 | 2.19 | <0.5 | 16 | 106 | 34 | 3.46 | 20 | 1.76 | 10 |
| I277597 | | <0.5 | 6.66 | 20 | 1710 | 2.4 | <2 | 3.73 | <0.5 | 35 | 178 | 110 | 6.32 | 20 | 3.13 | 40 |
| I277598 | | <0.5 | 8.22 | 13 | 1490 | 2.0 | <2 | 0.98 | <0.5 | 22 | 118 | 50 | 5.57 | 20 | 2.94 | 40 |
| I277599 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| I277600 | | <0.5 | 6.93 | 11 | 1810 | 2.8 | <2 | 4.30 | <0.5 | 29 | 187 | 95 | 6.14 | 20 | 3.30 | 40 |
| N451939 | | <0.5 | 10.00 | 91 | 2380 | 7.4 | <2 | 1.38 | <0.5 | 14 | 24 | 22 | 3.73 | 30 | 4.95 | 80 |
| N451940 | | <0.5 | 7.43 | 6 | 2190 | 2.8 | <2 | 3.92 | <0.5 | 23 | 58 | 89 | 5.31 | 20 | 3.45 | 80 |
| N451941 | | <0.5 | 6.56 | 15 | 2360 | 2.4 | <2 | 3.06 | <0.5 | 9 | 42 | 18 | 2.73 | 20 | 2.45 | 30 |
| N451942 | | <0.5 | 7.33 | 36 | 1380 | 2.2 | <2 | 2.36 | <0.5 | 16 | 139 | 37 | 3.84 | 20 | 2.48 | 40 |
| N451943 | | <0.5 | 7.46 | 22 | 610 | 1.1 | <2 | 1.38 | <0.5 | 16 | 135 | 36 | 3.70 | 20 | 1.43 | 20 |
| N451944 | | <0.5 | 7.39 | 19 | 1570 | 2.8 | <2 | 3.84 | <0.5 | 23 | 57 | 101 | 5.28 | 20 | 3.46 | 80 |
| N451945 | | <0.5 | 8.58 | 15 | 2320 | 4.5 | <2 | 2.33 | <0.5 | 19 | 27 | 86 | 4.89 | 20 | 4.49 | 60 |

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

ALS Canada Ltd.
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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 SD14042944

| 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 |
| N443914 | | 0.37 | 891 | <1 | 1.79 | 4 | 1300 | 12 | <0.01 | <5 | 3 | 1105 | 20 | 0.26 | <10 | <10 |
| N443915 | | 0.63 | 1405 | <1 | 2.79 | 7 | 2710 | 21 | 0.02 | <5 | 5 | 1120 | 20 | 0.32 | <10 | <10 |
| N443916 | | 0.87 | 1140 | <1 | 1.34 | 18 | 2080 | 37 | 0.06 | <5 | 9 | 613 | 20 | 0.42 | <10 | <10 |
| N443917 | | 1.88 | 1595 | <1 | 1.40 | 46 | 2470 | 23 | 0.05 | <5 | 10 | 1490 | 30 | 0.41 | <10 | <10 |
| N443918 | | 1.75 | 687 | <1 | 2.47 | 85 | 650 | 3 | 0.09 | <5 | 14 | 423 | <20 | 0.21 | <10 | <10 |
| N443919 | | 3.43 | 926 | <1 | 0.37 | 213 | 320 | 2 | 0.02 | <5 | 37 | 178 | <20 | 0.42 | <10 | <10 |
| N443920 | | 2.25 | 692 | <1 | 2.80 | 110 | 730 | 7 | 0.23 | <5 | 19 | 336 | <20 | 0.31 | <10 | <10 |
| N443921 | | 3.57 | 1050 | <1 | 2.59 | 57 | 2900 | 5 | 0.01 | <5 | 23 | 760 | <20 | 0.57 | <10 | <10 |
| N443922 | | 3.67 | 993 | <1 | 1.73 | 64 | 2610 | 19 | 0.01 | <5 | 20 | 1090 | <20 | 0.51 | <10 | <10 |
| N443923 | | 1.67 | 1405 | <1 | 1.04 | 51 | 2520 | 14 | 0.04 | <5 | 16 | 1460 | 30 | 0.46 | <10 | <10 |
| N443924 | | 0.44 | 1060 | <1 | 1.81 | 18 | 720 | <2 | <0.01 | <5 | 11 | 180 | <20 | 0.30 | <10 | <10 |
| N443925 | | 0.96 | 3070 | <1 | 1.37 | 93 | 1080 | 2 | 0.50 | <5 | 39 | 128 | <20 | 0.26 | <10 | <10 |
| N443926 | | 0.44 | 1045 | <1 | 2.18 | 6 | 1350 | 20 | 0.01 | <5 | 3 | 784 | 20 | 0.23 | <10 | <10 |
| N443927 | | 1.77 | 1290 | <1 | 1.36 | 25 | 2050 | 42 | 0.08 | <5 | 11 | 1690 | 30 | 0.42 | <10 | <10 |
| N443928 | | 0.50 | 471 | <1 | 0.06 | 54 | 460 | 6 | 0.07 | <5 | 11 | 74 | <20 | 0.16 | <10 | <10 |
| N443929 | | 0.39 | 886 | <1 | 3.01 | 3 | 1180 | 39 | <0.01 | <5 | 3 | 742 | 20 | 0.26 | <10 | <10 |
| N443930 | | 2.91 | 1495 | <1 | 0.82 | 39 | 3150 | 14 | 0.11 | <5 | 18 | 2020 | 30 | 0.40 | <10 | <10 |
| I277585 | | 2.14 | 1015 | <1 | 2.79 | 31 | 2460 | 109 | 0.01 | <5 | 16 | 1440 | 20 | 0.38 | <10 | <10 |
| I277586 | | 2.50 | 1210 | <1 | 2.56 | 51 | 2760 | 5 | 0.01 | <5 | 24 | 1220 | <20 | 0.53 | <10 | <10 |
| I277587 | | 2.72 | 1070 | <1 | 3.14 | 49 | 2580 | 6 | 0.04 | <5 | 21 | 1495 | <20 | 0.39 | <10 | <10 |
| I277588 | | 2.46 | 1035 | <1 | 2.85 | 34 | 2600 | 12 | 0.01 | <5 | 17 | 1230 | 20 | 0.31 | <10 | <10 |
| I277589 | | 1.63 | 1030 | <1 | 1.76 | 83 | 680 | 4 | 0.10 | <5 | 14 | 573 | <20 | 0.19 | <10 | <10 |
| I277590 | | 4.48 | 1345 | <1 | 3.16 | 58 | 1940 | 6 | 0.01 | <5 | 27 | 1465 | <20 | 0.37 | <10 | <10 |
| I277591 | | 2.30 | 1145 | <1 | 2.64 | 29 | 2470 | 47 | 0.01 | <5 | 17 | 2020 | 20 | 0.40 | <10 | <10 |
| I277592 | | 0.76 | 987 | <1 | 2.62 | 3 | 1340 | 18 | 0.01 | <5 | 4 | 1280 | 20 | 0.27 | <10 | <10 |
| I277593 | | 1.00 | 792 | <1 | 2.71 | 81 | 1010 | 8 | 0.21 | <5 | 15 | 498 | <20 | 0.38 | <10 | <10 |
| I277594 | | 0.69 | 555 | <1 | 1.76 | 125 | 790 | 5 | 0.05 | <5 | 16 | 349 | <20 | 0.20 | <10 | <10 |
| I277595 | | 1.63 | 1600 | <1 | 4.11 | 5 | 2350 | 11 | 0.35 | <5 | 5 | 2560 | 20 | 0.24 | <10 | <10 |
| I277596 | | 1.32 | 668 | <1 | 2.30 | 67 | 610 | 4 | 0.05 | <5 | 11 | 315 | <20 | 0.20 | <10 | <10 |
| I277597 | | 2.50 | 1450 | <1 | 2.28 | 60 | 2800 | 15 | 0.03 | <5 | 19 | 873 | <20 | 0.44 | <10 | <10 |
| I277598 | | 0.89 | 198 | <1 | 2.22 | 31 | 2140 | 2 | 0.06 | <5 | 26 | 313 | <20 | 0.40 | <10 | <10 |
| I277599 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| I277600 | | 3.34 | 1090 | <1 | 2.44 | 61 | 2750 | 7 | <0.01 | <5 | 21 | 1085 | <20 | 0.53 | <10 | <10 |
| N451939 | | 0.76 | 577 | <1 | 1.17 | 13 | 2140 | 12 | 0.14 | <5 | 7 | 462 | 20 | 0.27 | <10 | <10 |
| N451940 | | 1.59 | 1220 | <1 | 3.36 | 20 | 2550 | 36 | 0.04 | 13 | 15 | 1400 | 20 | 0.27 | <10 | <10 |
| N451941 | | 1.17 | 722 | <1 | 2.01 | 21 | 800 | 18 | 0.43 | <5 | 6 | 845 | <20 | 0.16 | <10 | <10 |
| N451942 | | 1.83 | 2980 | <1 | 2.39 | 47 | 1310 | 40 | 1.50 | <5 | 13 | 487 | <20 | 0.30 | <10 | <10 |
| N451943 | | 1.37 | 721 | <1 | 2.48 | 58 | 690 | 8 | 0.08 | <5 | 12 | 343 | <20 | 0.18 | <10 | <10 |
| N451944 | | 1.59 | 1290 | <1 | 3.60 | 21 | 2370 | 32 | 0.02 | 5 | 15 | 1370 | 20 | 0.25 | <10 | <10 |
| N451945 | | 1.00 | 978 | <1 | 3.51 | 11 | 2500 | 16 | 0.01 | 6 | 7 | 1830 | 20 | 0.30 | <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: 27-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|
| N443914 | | 88 | <10 | 123 |
| N443915 | | 116 | <10 | 152 |
| N443916 | | 206 | <10 | 157 |
| N443917 | | 145 | <10 | 148 |
| N443918 | | 107 | <10 | 86 |
| N443919 | | 283 | <10 | 155 |
| N443920 | | 145 | <10 | 104 |
| N443921 | | 196 | <10 | 125 |
| N443922 | | 182 | <10 | 109 |
| N443923 | | 222 | <10 | 164 |
| N443924 | | 84 | <10 | 138 |
| N443925 | | 358 | <10 | 97 |
| N443926 | | 89 | <10 | 101 |
| N443927 | | 177 | <10 | 112 |
| N443928 | | 88 | <10 | 80 |
| N443929 | | 94 | <10 | 123 |
| N443930 | | 205 | <10 | 146 |
| I277585 | | 143 | <10 | 98 |
| I277586 | | 192 | <10 | 93 |
| I277587 | | 166 | <10 | 103 |
| I277588 | | 148 | <10 | 93 |
| I277589 | | 122 | <10 | 71 |
| I277590 | | 184 | <10 | 149 |
| I277591 | | 152 | <10 | 129 |
| I277592 | | 104 | <10 | 117 |
| I277593 | | 103 | <10 | 68 |
| I277594 | | 123 | <10 | 117 |
| I277595 | | 86 | <10 | 102 |
| I277596 | | 90 | <10 | 60 |
| I277597 | | 181 | <10 | 109 |
| I277598 | | 198 | <10 | 88 |
| I277599 | | NSS | NSS | NSS |
| I277600 | | 182 | <10 | 110 |
| N451939 | | 129 | 10 | 83 |
| N451940 | | 187 | <10 | 127 |
| N451941 | | 58 | <10 | 52 |
| N451942 | | 107 | <10 | 227 |
| N451943 | | 86 | <10 | 82 |
| N451944 | | 181 | <10 | 114 |
| N451945 | | 134 | <10 | 129 |

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
| N451946 | | <0.5 | 11.20 | 21 | 6100 | 8.9 | <2 | 0.49 | <0.5 | 8 | 4 | 118 | 3.72 | 30 | 3.25 | 90 |
| N451947 | | <0.5 | 10.95 | 17 | 5890 | 9.9 | <2 | 0.34 | <0.5 | 4 | 3 | 71 | 3.85 | 30 | 5.44 | 90 |
| N451948 | | <0.5 | 8.69 | 18 | 5910 | 7.0 | <2 | 2.84 | <0.5 | 8 | 2 | 86 | 3.55 | 30 | 3.99 | 60 |
| N451949 | | <0.5 | 6.30 | 64 | 4090 | 5.6 | <2 | 5.96 | <0.5 | 24 | 48 | 156 | 6.10 | 20 | 1.39 | 140 |
| N451950 | | <0.5 | 7.69 | 26 | 2110 | 3.7 | <2 | 4.54 | <0.5 | 27 | 102 | 96 | 6.07 | 20 | 4.50 | 90 |
| N451951 | | <0.5 | 7.17 | 5 | 2860 | 1.5 | 3 | 2.70 | <0.5 | 17 | 105 | 3 | 2.99 | 20 | 1.20 | 40 |
| N451952 | | <0.5 | 7.51 | 34 | 460 | 1.1 | <2 | 1.29 | <0.5 | 21 | 144 | 41 | 4.97 | 20 | 1.56 | 20 |
| N451953 | | <0.5 | 8.03 | 9 | 1690 | 3.5 | <2 | 4.55 | <0.5 | 25 | 71 | 118 | 5.84 | 20 | 3.61 | 110 |
| N451954 | | <0.5 | 7.59 | 11 | 2640 | 3.4 | <2 | 4.14 | <0.5 | 29 | 95 | 73 | 5.91 | 20 | 3.19 | 90 |
| N451955 | | <0.5 | 8.95 | 37 | 2190 | 2.5 | <2 | 2.20 | <0.5 | 14 | 55 | 42 | 3.42 | 30 | 3.38 | 20 |
| N451956 | | <0.5 | 7.77 | 8 | 1000 | 1.9 | <2 | 3.24 | <0.5 | 22 | 75 | 70 | 5.74 | 20 | 1.51 | 40 |
| N451957 | | <0.5 | 7.18 | 43 | 1000 | 2.1 | <2 | 2.99 | <0.5 | 27 | 377 | 43 | 4.61 | 20 | 1.64 | 20 |
| N451958 | | <0.5 | 8.41 | 10 | 1610 | 2.0 | <2 | 2.87 | <0.5 | 19 | 187 | 32 | 5.15 | 20 | 3.03 | 50 |
| N451959 | | <0.5 | 6.92 | 7 | 1880 | 1.7 | <2 | 2.38 | <0.5 | 12 | 52 | 21 | 2.97 | 20 | 2.67 | 30 |
| N451960 | | <0.5 | 7.62 | 18 | 1290 | 3.3 | <2 | 4.92 | 1.4 | 11 | 47 | 5 | 3.40 | 20 | 1.79 | 30 |
| N451961 | | <0.5 | 5.92 | 12 | 1150 | 1.6 | <2 | 0.44 | <0.5 | 3 | 26 | 2 | 0.97 | 10 | 1.44 | 40 |
| N451962 | | <0.5 | 8.92 | 20 | 2330 | 4.6 | <2 | 1.09 | <0.5 | 7 | 39 | 22 | 2.62 | 30 | 3.89 | 80 |
| N451963 | | <0.5 | 9.07 | 12 | 1840 | 2.2 | <2 | 1.08 | <0.5 | 8 | 56 | 10 | 2.57 | 30 | 2.50 | 40 |
| N451964 | | <0.5 | 8.37 | 21 | 3180 | 2.4 | <2 | 2.21 | <0.5 | 16 | 94 | 50 | 3.80 | 20 | 3.08 | 40 |
| N451965 | | <0.5 | 8.46 | 18 | 2390 | 2.0 | <2 | 0.96 | <0.5 | 6 | 44 | 3 | 2.28 | 20 | 3.15 | 40 |
| N451966 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N451967 | | <0.5 | 7.91 | 36 | 3410 | 3.4 | 2 | 6.28 | <0.5 | 14 | 53 | 47 | 4.26 | 40 | 4.24 | 30 |
| N451968 | | <0.5 | 7.77 | 24 | 2180 | 2.0 | <2 | 1.87 | <0.5 | 9 | 61 | 15 | 2.67 | 20 | 2.73 | 30 |
| N451969 | | <0.5 | 7.69 | 7 | 1540 | 1.9 | <2 | 1.55 | <0.5 | 6 | 41 | 14 | 2.06 | 20 | 2.42 | 30 |
| N451970 | | <0.5 | 7.54 | 15 | 2580 | 2.0 | <2 | 1.57 | <0.5 | 6 | 44 | 2 | 2.16 | 20 | 2.50 | 30 |
| N451971 | | <0.5 | 6.33 | 29 | 1430 | 2.9 | <2 | 5.30 | <0.5 | 25 | 158 | 68 | 5.74 | 20 | 3.24 | 40 |
| N451972 | | <0.5 | 7.41 | 38 | 1550 | 2.5 | <2 | 3.29 | <0.5 | 35 | 216 | 120 | 6.75 | 20 | 3.80 | 40 |
| N451973 | | <0.5 | 7.05 | 9 | 1910 | 2.5 | <2 | 4.04 | <0.5 | 31 | 156 | 95 | 6.47 | 20 | 3.96 | 40 |
| N451974 | | <0.5 | 5.52 | 11 | 870 | 1.9 | <2 | 3.13 | <0.5 | 15 | 162 | 15 | 3.42 | 10 | 2.58 | 30 |
| N451975 | | <0.5 | 7.88 | 7 | 3200 | 4.1 | <2 | 2.55 | <0.5 | 16 | 24 | 79 | 5.04 | 20 | 6.41 | 90 |
| N451976 | | <0.5 | 7.23 | 16 | 2740 | 5.7 | <2 | 2.95 | <0.5 | 15 | 24 | 102 | 4.52 | 20 | 4.06 | 70 |
| N451977 | | <0.5 | 7.89 | 35 | 3250 | 4.8 | <2 | 2.41 | <0.5 | 16 | 25 | 180 | 4.73 | 30 | 4.12 | 80 |
| N451978 | | <0.5 | 6.56 | 7 | 2870 | 2.7 | <2 | 3.90 | <0.5 | 27 | 150 | 73 | 6.29 | 20 | 2.56 | 40 |
| N451979 | | <0.5 | 6.56 | <5 | 490 | 1.9 | <2 | 2.74 | <0.5 | 19 | 185 | 60 | 3.98 | 20 | 1.78 | 20 |
| N451980 | | <0.5 | 6.43 | 5 | 730 | 1.6 | <2 | 1.79 | <0.5 | 24 | 209 | 17 | 4.12 | 20 | 2.22 | 20 |
| N451981 | | <0.5 | 6.65 | 20 | 550 | 0.9 | <2 | 1.68 | <0.5 | 26 | 308 | 39 | 5.28 | 20 | 1.31 | 20 |
| N451982 | | <0.5 | 6.75 | 9 | 1200 | 2.2 | <2 | 3.51 | <0.5 | 21 | 217 | 56 | 5.63 | 20 | 2.10 | 40 |
| N451983 | | <0.5 | 7.38 | 6 | 1270 | 1.4 | <2 | 2.82 | <0.5 | 26 | 128 | 50 | 6.29 | 20 | 2.28 | 30 |
| N451984 | | 0.5 | 7.64 | 64 | 2140 | 1.9 | <2 | 1.33 | <0.5 | 9 | 63 | 22 | 2.65 | 20 | 3.26 | 40 |
| N451985 | | <0.5 | 7.37 | 24 | 2000 | 2.0 | <2 | 2.23 | <0.5 | 11 | 64 | 32 | 2.92 | 20 | 2.74 | 40 |

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

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
| N451946 | | 0.59 | 626 | <1 | 4.62 | 5 | 980 | 106 | 0.05 | <5 | 4 | 313 | 30 | 0.42 | <10 | <10 |
| N451947 | | 0.61 | 362 | <1 | 2.33 | 3 | 810 | 23 | 0.04 | <5 | 3 | 319 | 30 | 0.42 | <10 | <10 |
| N451948 | | 0.64 | 1620 | <1 | 3.25 | 2 | 640 | 37 | 0.15 | <5 | 2 | 1610 | 30 | 0.40 | <10 | <10 |
| N451949 | | 2.28 | 1290 | <1 | 2.66 | 22 | 4490 | 107 | 0.18 | <5 | 19 | 3410 | 40 | 0.50 | <10 | <10 |
| N451950 | | 2.23 | 1280 | <1 | 2.18 | 25 | 2530 | 28 | 0.01 | 13 | 21 | 1590 | 20 | 0.46 | <10 | <10 |
| N451951 | | 1.73 | 660 | <1 | 3.90 | 49 | 1300 | 5 | 0.24 | <5 | 10 | 797 | <20 | 0.17 | <10 | <10 |
| N451952 | | 1.74 | 668 | <1 | 1.81 | 83 | 770 | 22 | 0.08 | <5 | 13 | 302 | <20 | 0.24 | <10 | <10 |
| N451953 | | 2.05 | 1370 | <1 | 3.51 | 24 | 2640 | 19 | 0.02 | 7 | 19 | 1720 | 30 | 0.33 | <10 | <10 |
| N451954 | | 2.71 | 1120 | <1 | 3.17 | 25 | 2470 | 46 | 0.02 | <5 | 21 | 1690 | 30 | 0.38 | <10 | <10 |
| N451955 | | 1.02 | 761 | 1 | 2.58 | 21 | 790 | 33 | 0.27 | 9 | 9 | 634 | <20 | 0.15 | <10 | <10 |
| N451956 | | 1.91 | 1100 | <1 | 4.74 | 22 | 1650 | 24 | <0.01 | <5 | 19 | 946 | <20 | 0.41 | 10 | <10 |
| N451957 | | 1.57 | 797 | <1 | 2.19 | 112 | 950 | 5 | 0.11 | <5 | 17 | 566 | <20 | 0.18 | <10 | <10 |
| N451958 | | 1.52 | 883 | <1 | 0.75 | 44 | 2480 | 5 | 0.09 | <5 | 28 | 325 | <20 | 0.27 | <10 | <10 |
| N451959 | | 1.01 | 696 | <1 | 1.41 | 24 | 970 | 7 | 0.11 | <5 | 8 | 471 | <20 | 0.12 | <10 | <10 |
| N451960 | | 1.99 | 1180 | <1 | 3.75 | 30 | 1000 | 25 | 0.15 | <5 | 6 | 996 | <20 | 0.13 | <10 | <10 |
| N451961 | | 0.16 | 162 | 4 | 2.59 | 9 | 360 | 19 | 0.17 | <5 | 2 | 205 | 20 | 0.13 | <10 | <10 |
| N451962 | | 0.32 | 295 | 1 | 1.49 | 18 | 970 | 41 | 0.15 | <5 | 8 | 257 | 40 | 0.26 | <10 | <10 |
| N451963 | | 0.52 | 525 | <1 | 3.81 | 25 | 780 | 21 | 0.10 | <5 | 8 | 927 | <20 | 0.14 | <10 | <10 |
| N451964 | | 1.07 | 746 | <1 | 3.15 | 38 | 1290 | 18 | 0.33 | <5 | 12 | 1220 | <20 | 0.21 | 10 | <10 |
| N451965 | | 0.48 | 658 | <1 | 2.54 | 16 | 770 | 20 | 0.49 | <5 | 6 | 556 | <20 | 0.13 | <10 | <10 |
| N451966 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N451967 | | 2.74 | 1320 | <1 | 1.37 | 36 | 670 | 19 | 0.11 | 7 | 6 | 3030 | <20 | 0.15 | <10 | <10 |
| N451968 | | 0.78 | 680 | <1 | 3.09 | 25 | 740 | 24 | 0.34 | <5 | 7 | 1330 | <20 | 0.12 | <10 | <10 |
| N451969 | | 0.65 | 456 | <1 | 3.16 | 19 | 730 | 9 | 0.06 | 5 | 6 | 929 | <20 | 0.13 | <10 | <10 |
| N451970 | | 0.66 | 590 | <1 | 3.11 | 17 | 780 | 26 | 0.39 | <5 | 5 | 1080 | <20 | 0.12 | <10 | <10 |
| N451971 | | 2.95 | 1160 | <1 | 1.49 | 45 | 2540 | 11 | 0.02 | 6 | 19 | 1330 | <20 | 0.38 | <10 | <10 |
| N451972 | | 2.61 | 942 | <1 | 2.92 | 65 | 3050 | 5 | 0.01 | <5 | 24 | 401 | <20 | 0.55 | <10 | <10 |
| N451973 | | 3.20 | 1030 | <1 | 1.41 | 46 | 2810 | 12 | 0.01 | <5 | 21 | 899 | <20 | 0.44 | <10 | <10 |
| N451974 | | 1.82 | 961 | 1 | 2.17 | 39 | 1350 | 7 | 0.04 | 7 | 15 | 560 | <20 | 0.18 | <10 | <10 |
| N451975 | | 0.78 | 1440 | <1 | 2.05 | 11 | 2180 | 21 | 0.03 | 11 | 10 | 1160 | 20 | 0.38 | <10 | <10 |
| N451976 | | 1.03 | 1300 | <1 | 1.52 | 10 | 1890 | 16 | 0.44 | <5 | 9 | 1040 | 20 | 0.34 | <10 | <10 |
| N451977 | | 0.78 | 1140 | <1 | 0.47 | 11 | 2000 | 31 | 0.44 | <5 | 8 | 1280 | 30 | 0.34 | <10 | <10 |
| N451978 | | 2.11 | 1020 | <1 | 2.16 | 43 | 2590 | 8 | 0.06 | 8 | 19 | 1120 | <20 | 0.23 | <10 | <10 |
| N451979 | | 2.05 | 930 | <1 | 3.22 | 106 | 720 | 7 | 0.13 | <5 | 14 | 298 | <20 | 0.29 | <10 | <10 |
| N451980 | | 2.16 | 827 | <1 | 2.33 | 107 | 760 | 7 | 0.17 | <5 | 15 | 242 | <20 | 0.25 | <10 | <10 |
| N451981 | | 2.55 | 833 | 2 | 2.44 | 120 | 710 | 11 | 0.12 | <5 | 19 | 319 | <20 | 0.24 | <10 | <10 |
| N451982 | | 2.44 | 1220 | 4 | 3.01 | 80 | 1700 | 16 | 0.03 | <5 | 19 | 712 | <20 | 0.34 | <10 | <10 |
| N451983 | | 2.99 | 1010 | 1 | 2.72 | 34 | 1730 | 18 | 0.09 | <5 | 25 | 502 | <20 | 0.34 | <10 | <10 |
| N451984 | | 0.82 | 610 | 2 | 2.56 | 27 | 880 | 19 | 0.44 | <5 | 8 | 640 | <20 | 0.18 | <10 | <10 |
| N451985 | | 0.98 | 793 | <1 | 3.21 | 30 | 1020 | 24 | 0.93 | <5 | 8 | 1135 | <20 | 0.16 | <10 | <10 |

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

ALS Canada Ltd.
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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 SD14042944

| 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 |
|---|---|---|---|---|
| N451946 | | 214 | <10 | 97 |
| N451947 | | 203 | <10 | 123 |
| N451948 | | 267 | <10 | 124 |
| N451949 | | 178 | <10 | 132 |
| N451950 | | 228 | <10 | 103 |
| N451951 | | 86 | <10 | 52 |
| N451952 | | 97 | <10 | 157 |
| N451953 | | 197 | <10 | 128 |
| N451954 | | 211 | <10 | 189 |
| N451955 | | 107 | <10 | 80 |
| N451956 | | 177 | <10 | 114 |
| N451957 | | 133 | <10 | 52 |
| N451958 | | 168 | <10 | 98 |
| N451959 | | 68 | <10 | 68 |
| N451960 | | 71 | <10 | 106 |
| N451961 | | 16 | <10 | 24 |
| N451962 | | 64 | <10 | 69 |
| N451963 | | 67 | <10 | 94 |
| N451964 | | 104 | <10 | 100 |
| N451965 | | 52 | <10 | 62 |
| N451966 | | NSS | NSS | NSS |
| N451967 | | 123 | <10 | 145 |
| N451968 | | 60 | <10 | 111 |
| N451969 | | 47 | <10 | 58 |
| N451970 | | 46 | <10 | 62 |
| N451971 | | 171 | <10 | 93 |
| N451972 | | 195 | <10 | 87 |
| N451973 | | 193 | <10 | 110 |
| N451974 | | 107 | <10 | 78 |
| N451975 | | 186 | <10 | 105 |
| N451976 | | 205 | <10 | 55 |
| N451977 | | 275 | <10 | 101 |
| N451978 | | 175 | <10 | 92 |
| N451979 | | 113 | <10 | 64 |
| N451980 | | 122 | <10 | 78 |
| N451981 | | 160 | <10 | 93 |
| N451982 | | 160 | <10 | 90 |
| N451983 | | 205 | <10 | 119 |
| N451984 | | 73 | <10 | 99 |
| N451985 | | 72 | <10 | 72 |

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

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N451986 | | <0.5 | 8.47 | 20 | 2450 | 2.2 | <2 | 1.48 | <0.5 | 8 | 68 | 15 | 2.67 | 30 | 2.80 | 40 |
| N451987 | | <0.5 | 7.38 | 5 | 2160 | 1.8 | <2 | 2.33 | <0.5 | 6 | 59 | 11 | 2.60 | 20 | 2.16 | 30 |
| L767567 | | <0.5 | 7.79 | 6 | 5900 | 4.3 | <2 | 4.41 | <0.5 | 17 | 17 | 50 | 4.95 | 20 | 5.28 | 60 |
| L767568 | | <0.5 | 5.41 | <5 | 5490 | 2.1 | <2 | 8.20 | <0.5 | 19 | 88 | 39 | 4.99 | 30 | 1.48 | 50 |
| L767569 | | <0.5 | 7.16 | 6 | 470 | 1.2 | <2 | 2.27 | <0.5 | 25 | 194 | 40 | 4.87 | 20 | 0.80 | 20 |
| L767570 | | <0.5 | 7.26 | <5 | 200 | 0.5 | <2 | 4.48 | <0.5 | 26 | 46 | 22 | 7.30 | 20 | 0.57 | 10 |
| L767571 | | <0.5 | 7.94 | <5 | 280 | 0.8 | <2 | 1.65 | <0.5 | 15 | 33 | 61 | 3.95 | 20 | 0.88 | 10 |
| L767572 | | <0.5 | 8.47 | <5 | 2500 | 3.2 | <2 | 2.08 | <0.5 | 10 | 14 | 100 | 4.67 | 20 | 4.30 | 70 |
| L767573 | | <0.5 | 9.60 | 5 | 3740 | 5.3 | <2 | 1.45 | <0.5 | 16 | 3 | 110 | 3.89 | 20 | 4.20 | 70 |
| L767574 | | <0.5 | 9.53 | 7 | 3280 | 4.7 | <2 | 0.73 | <0.5 | 9 | 2 | 82 | 3.40 | 20 | 4.09 | 60 |
| L767575 | | <0.5 | 6.77 | 6 | 2300 | 2.8 | <2 | 3.85 | <0.5 | 16 | 76 | 61 | 4.58 | 20 | 4.18 | 50 |
| L767576 | | <0.5 | 7.43 | 8 | 1460 | 4.0 | <2 | 3.95 | <0.5 | 17 | 41 | 18 | 5.39 | 20 | 3.69 | 60 |
| L767577 | | <0.5 | 8.91 | 11 | 2880 | 5.2 | <2 | 2.74 | <0.5 | 14 | 14 | 104 | 4.83 | 30 | 4.41 | 60 |
| L767578 | | <0.5 | 7.83 | 8 | 3670 | 3.1 | <2 | 3.00 | <0.5 | 15 | 14 | 157 | 4.54 | 20 | 5.51 | 70 |
| N433895 | | <0.5 | 7.94 | <5 | 1360 | 1.5 | <2 | 1.28 | <0.5 | 2 | 64 | 1 | 1.78 | 20 | 4.57 | 30 |
| N433896 | | <0.5 | 7.63 | 5 | 1890 | 8.2 | <2 | 1.71 | <0.5 | 10 | 72 | 5 | 2.27 | 20 | 3.59 | 30 |
| N433897 | | <0.5 | 7.40 | <5 | 1760 | 2.9 | <2 | 1.95 | <0.5 | 8 | 74 | 12 | 2.42 | 20 | 4.20 | 20 |
| N433898 | | <0.5 | 7.67 | <5 | 1610 | 1.7 | <2 | 1.57 | <0.5 | 6 | 64 | <1 | 2.15 | 20 | 4.23 | 30 |
| N433899 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N433900 | | <0.5 | 7.36 | <5 | 1550 | 3.6 | <2 | 1.68 | <0.5 | 7 | 65 | 2 | 2.22 | 20 | 4.25 | 30 |
| N433901 | | <0.5 | 7.95 | <5 | 790 | 0.9 | <2 | 1.19 | <0.5 | 5 | 22 | 9 | 1.88 | 20 | 0.07 | 10 |
| N433902 | | <0.5 | 7.36 | <5 | 180 | 0.9 | <2 | 1.92 | <0.5 | 8 | 38 | 2 | 2.36 | 20 | 0.10 | 10 |
| N433903 | | <0.5 | 7.81 | 40 | 1610 | 5.4 | <2 | 1.70 | <0.5 | 29 | 197 | 103 | 5.82 | 20 | 4.44 | 40 |
| N433904 | | <0.5 | 6.59 | 18 | 1730 | 2.2 | <2 | 2.28 | <0.5 | 30 | 211 | 84 | 6.55 | 20 | 4.09 | 30 |
| N433905 | | <0.5 | 6.43 | 13 | 2280 | 2.5 | <2 | 6.56 | <0.5 | 29 | 182 | 81 | 6.04 | 20 | 3.25 | 40 |
| N433906 | | <0.5 | 5.91 | 19 | 470 | 2.0 | <2 | 5.46 | <0.5 | 29 | 261 | 55 | 5.78 | 20 | 1.61 | 30 |
| N433907 | | <0.5 | 6.50 | 12 | 1520 | 2.0 | <2 | 3.65 | <0.5 | 26 | 219 | 25 | 4.91 | 20 | 2.23 | 40 |
| N433908 | | <0.5 | 6.16 | 19 | 1410 | 1.7 | <2 | 3.87 | <0.5 | 27 | 164 | 99 | 5.50 | 20 | 3.86 | 40 |
| N433909 | | <0.5 | 7.23 | 13 | 1750 | 3.4 | <2 | 1.70 | <0.5 | 34 | 271 | 100 | 7.32 | 30 | 3.70 | 30 |
| N433910 | | <0.5 | 5.92 | 23 | 1650 | 1.5 | <2 | 4.38 | <0.5 | 31 | 205 | 114 | 5.45 | 20 | 2.68 | 70 |
| N433911 | | <0.5 | 5.38 | 18 | 2040 | 5.5 | <2 | 5.18 | <0.5 | 21 | 100 | 152 | 5.04 | 20 | 4.74 | 130 |
| N433912 | | <0.5 | 6.65 | 8 | 1410 | 2.2 | <2 | 1.34 | <0.5 | 45 | 279 | 3 | 7.71 | 20 | 3.31 | 30 |
| N433913 | | <0.5 | 6.37 | 13 | 1540 | 3.2 | <2 | 4.33 | <0.5 | 30 | 177 | 88 | 5.78 | 20 | 2.83 | 40 |
| N433914 | | <0.5 | 7.75 | 7 | 2350 | 1.6 | <2 | 1.40 | <0.5 | 16 | 32 | 5 | 4.93 | 20 | 4.66 | 70 |
| N433915 | | <0.5 | 6.67 | 39 | 840 | 1.6 | <2 | 3.01 | <0.5 | 34 | 414 | 9 | 6.52 | 20 | 2.33 | 10 |
| N433916 | | <0.5 | 6.58 | 10 | 1470 | 2.1 | <2 | 3.71 | <0.5 | 24 | 235 | 31 | 4.39 | 20 | 2.82 | 40 |
| N433917 | | <0.5 | 7.94 | <5 | 2580 | 2.9 | <2 | 0.47 | <0.5 | 9 | 20 | 2 | 1.52 | 20 | 0.36 | 40 |
| N433918 | | <0.5 | 7.09 | <5 | 810 | 4.3 | <2 | 2.33 | <0.5 | 9 | 78 | 2 | 3.45 | 20 | 0.26 | 40 |
| N433919 | | <0.5 | 7.80 | <5 | 510 | 2.3 | <2 | 0.18 | <0.5 | 4 | 9 | 99 | 1.40 | 20 | 1.66 | 70 |
| N433920 | | <0.5 | 7.49 | <5 | 1490 | 1.8 | <2 | 0.59 | <0.5 | 6 | 52 | 3 | 1.91 | 20 | 4.21 | 30 |

***** 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 SD14042944

| 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 |
| N451986 | | 0.80 | 716 | <1 | 3.45 | 26 | 820 | 25 | 0.42 | <5 | 8 | 858 | <20 | 0.17 | <10 | <10 |
| N451987 | | 1.08 | 659 | 1 | 4.05 | 26 | 790 | 35 | 0.34 | <5 | 7 | 1040 | <20 | 0.20 | <10 | <10 |
| L767567 | | 0.97 | 1520 | 1 | 2.00 | 12 | 3340 | 47 | 0.24 | <5 | 5 | 2290 | 20 | 0.35 | <10 | 10 |
| L767568 | | 3.08 | 1730 | <1 | 2.41 | 80 | 2310 | 45 | 0.16 | <5 | 12 | 1930 | 20 | 0.21 | <10 | 30 |
| L767569 | | 2.26 | 869 | 1 | 3.60 | 104 | 1000 | 16 | 0.11 | <5 | 16 | 464 | <20 | 0.37 | <10 | <10 |
| L767570 | | 1.38 | 1520 | <1 | 1.58 | 56 | 930 | 8 | 0.01 | <5 | 19 | 130 | <20 | 0.47 | <10 | <10 |
| L767571 | | 0.75 | 400 | <1 | 1.97 | 32 | 880 | 9 | 0.01 | <5 | 7 | 149 | <20 | 0.46 | <10 | <10 |
| L767572 | | 0.70 | 769 | 1 | 2.24 | 8 | 2810 | 57 | 0.04 | <5 | 5 | 903 | 20 | 0.15 | <10 | <10 |
| L767573 | | 0.54 | 1120 | <1 | 2.39 | 4 | 1620 | 89 | 0.11 | <5 | 4 | 879 | 30 | 0.20 | <10 | <10 |
| L767574 | | 0.46 | 705 | <1 | 2.51 | 4 | 1250 | 16 | 0.02 | <5 | 3 | 561 | 30 | 0.27 | <10 | <10 |
| L767575 | | 1.97 | 969 | 1 | 2.69 | 24 | 2040 | 17 | 0.11 | <5 | 13 | 718 | <20 | 0.32 | <10 | <10 |
| L767576 | | 1.70 | 1220 | <1 | 2.95 | 20 | 2380 | 32 | 0.02 | <5 | 13 | 1555 | 20 | 0.26 | <10 | <10 |
| L767577 | | 0.83 | 1410 | <1 | 1.76 | 10 | 3070 | 34 | 0.01 | <5 | 6 | 1410 | 20 | 0.32 | <10 | <10 |
| L767578 | | 1.09 | 1120 | <1 | 2.21 | 6 | 2730 | 15 | 0.14 | <5 | 5 | 3480 | 30 | 0.19 | <10 | <10 |
| N433895 | | 0.52 | 459 | <1 | 4.11 | 17 | 640 | 16 | 0.01 | <5 | 4 | 390 | <20 | 0.11 | <10 | <10 |
| N433896 | | 0.81 | 646 | 1 | 4.30 | 21 | 680 | 16 | 0.37 | <5 | 6 | 668 | 20 | 0.11 | <10 | <10 |
| N433897 | | 1.09 | 498 | <1 | 3.42 | 26 | 750 | 25 | 0.01 | <5 | 7 | 631 | <20 | 0.14 | <10 | <10 |
| N433898 | | 0.74 | 507 | <1 | 3.94 | 23 | 640 | 15 | 0.05 | <5 | 5 | 684 | 20 | 0.14 | <10 | <10 |
| N433899 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N433900 | | 0.89 | 476 | <1 | 3.60 | 22 | 650 | 20 | 0.05 | <5 | 6 | 562 | 30 | 0.14 | <10 | <10 |
| N433901 | | 0.72 | 169 | 155 | 7.70 | 11 | 370 | 17 | 0.31 | <5 | 4 | 222 | <20 | 0.07 | <10 | <10 |
| N433902 | | 2.92 | 457 | 5 | 6.89 | 53 | 170 | 4 | 0.08 | <5 | 5 | 339 | <20 | 0.07 | <10 | <10 |
| N433903 | | 1.48 | 490 | 1 | 0.71 | 46 | 3160 | 10 | 0.08 | 8 | 24 | 400 | <20 | 0.35 | <10 | <10 |
| N433904 | | 2.89 | 1440 | <1 | 1.82 | 65 | 2810 | 15 | <0.01 | <5 | 20 | 460 | <20 | 0.36 | <10 | <10 |
| N433905 | | 4.19 | 1140 | <1 | 1.73 | 67 | 2560 | 19 | 0.03 | <5 | 20 | 1410 | 20 | 0.35 | <10 | <10 |
| N433906 | | 3.87 | 1240 | <1 | 2.42 | 96 | 1590 | 16 | 0.03 | <5 | 28 | 266 | <20 | 0.46 | <10 | <10 |
| N433907 | | 3.52 | 838 | <1 | 3.02 | 70 | 1700 | 13 | 0.01 | <5 | 22 | 647 | <20 | 0.31 | <10 | <10 |
| N433908 | | 2.37 | 1130 | 1 | 1.83 | 55 | 2420 | 9 | 0.01 | <5 | 18 | 581 | <20 | 0.43 | <10 | <10 |
| N433909 | | 4.05 | 739 | <1 | 1.39 | 92 | 3530 | 2 | 0.02 | 12 | 21 | 479 | <20 | 0.56 | <10 | <10 |
| N433910 | | 3.79 | 1100 | <1 | 1.56 | 89 | 1590 | 5 | 0.14 | <5 | 20 | 503 | <20 | 0.47 | <10 | <10 |
| N433911 | | 2.41 | 1090 | <1 | 0.25 | 34 | 3260 | 69 | 0.05 | 5 | 14 | 2060 | 40 | 0.29 | <10 | <10 |
| N433912 | | 4.43 | 518 | <1 | 1.87 | 94 | 3290 | 7 | 0.01 | <5 | 17 | 306 | <20 | 0.44 | <10 | <10 |
| N433913 | | 2.94 | 1090 | 1 | 2.66 | 59 | 2570 | 21 | 0.02 | <5 | 20 | 987 | <20 | 0.42 | <10 | <10 |
| N433914 | | 1.38 | 467 | <1 | 2.64 | 11 | 1890 | 11 | <0.01 | <5 | 10 | 577 | 20 | 0.34 | <10 | <10 |
| N433915 | | 6.01 | 1155 | <1 | 2.42 | 152 | 2380 | <2 | <0.01 | <5 | 24 | 156 | <20 | 0.52 | <10 | <10 |
| N433916 | | 3.29 | 846 | <1 | 3.04 | 84 | 1470 | 6 | 0.04 | <5 | 18 | 491 | <20 | 0.26 | <10 | 10 |
| N433917 | | 0.19 | 275 | <1 | 7.30 | 10 | 380 | 3 | 0.42 | <5 | 2 | 482 | 20 | 0.11 | <10 | <10 |
| N433918 | | 1.67 | 924 | <1 | 5.88 | 71 | 720 | 18 | 0.02 | <5 | 6 | 606 | 20 | 0.17 | <10 | <10 |
| N433919 | | 0.13 | 120 | 2 | 6.86 | 10 | 240 | 29 | 0.62 | <5 | 1 | 192 | 30 | 0.17 | <10 | <10 |
| N433920 | | 0.37 | 442 | <1 | 4.05 | 23 | 540 | 9 | 0.07 | <5 | 3 | 523 | <20 | 0.10 | <10 | <10 |

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|
| N451986 | | 71 | <10 | 90 |
| N451987 | | 62 | <10 | 59 |
| L767567 | | 128 | <10 | 139 |
| L767568 | | 118 | <10 | 113 |
| L767569 | | 131 | <10 | 91 |
| L767570 | | 123 | <10 | 173 |
| L767571 | | 86 | <10 | 105 |
| L767572 | | 110 | <10 | 82 |
| L767573 | | 102 | <10 | 136 |
| L767574 | | 89 | <10 | 92 |
| L767575 | | 135 | <10 | 58 |
| L767576 | | 152 | <10 | 88 |
| L767577 | | 121 | <10 | 123 |
| L767578 | | 109 | <10 | 93 |
| N433895 | | 49 | 10 | 25 |
| N433896 | | 53 | <10 | 23 |
| N433897 | | 67 | <10 | 63 |
| N433898 | | 63 | 10 | 33 |
| N433899 | | NSS | NSS | NSS |
| N433900 | | 53 | <10 | 30 |
| N433901 | | 41 | <10 | 18 |
| N433902 | | 64 | <10 | 37 |
| N433903 | | 210 | <10 | 81 |
| N433904 | | 189 | <10 | 124 |
| N433905 | | 176 | <10 | 98 |
| N433906 | | 183 | <10 | 92 |
| N433907 | | 148 | <10 | 78 |
| N433908 | | 157 | <10 | 85 |
| N433909 | | 231 | 20 | 153 |
| N433910 | | 182 | <10 | 110 |
| N433911 | | 168 | <10 | 114 |
| N433912 | | 236 | <10 | 166 |
| N433913 | | 176 | <10 | 108 |
| N433914 | | 132 | <10 | 68 |
| N433915 | | 194 | <10 | 132 |
| N433916 | | 128 | <10 | 70 |
| N433917 | | 29 | <10 | 11 |
| N433918 | | 64 | <10 | 37 |
| N433919 | | 16 | 10 | 7 |
| N433920 | | 42 | <10 | 27 |

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N433921 | | <0.5 | 7.91 | <5 | 1510 | 2.7 | <2 | 1.75 | <0.5 | 7 | 80 | 1 | 2.49 | 20 | 4.92 | 30 |
| N433922 | | <0.5 | 7.53 | <5 | 1050 | 1.6 | <2 | 1.54 | <0.5 | 9 | 70 | 3 | 2.08 | 20 | 3.14 | 30 |
| N433923 | | <0.5 | 7.36 | <5 | 1450 | 3.6 | <2 | 1.37 | <0.5 | 9 | 68 | 1 | 2.24 | 20 | 3.67 | 30 |
| N433924 | | <0.5 | 7.97 | <5 | 1420 | 4.2 | <2 | 0.53 | <0.5 | 5 | 28 | 1 | 2.06 | 20 | 4.28 | 40 |
| N433925 | | <0.5 | 8.16 | <5 | 1570 | 3.8 | <2 | 0.86 | <0.5 | 9 | 101 | 1 | 2.22 | 20 | 3.56 | 60 |
| N433926 | | <0.5 | 7.92 | <5 | 1300 | 3.0 | <2 | 0.30 | <0.5 | 5 | 23 | 2 | 1.69 | 20 | 4.35 | 40 |
| N433927 | | <0.5 | 4.54 | <5 | 40 | 0.9 | <2 | 6.01 | 0.6 | 41 | 477 | 43 | 5.45 | 10 | 0.03 | 10 |
| N433928 | | <0.5 | 7.44 | 5 | 1150 | 2.7 | <2 | 1.51 | <0.5 | 15 | 68 | 2 | 2.15 | 20 | 4.02 | 30 |
| N433929 | | <0.5 | 6.23 | 45 | 830 | 1.2 | <2 | 3.98 | <0.5 | 38 | 48 | 61 | 4.53 | 10 | 2.11 | 30 |
| N433930 | | <0.5 | 7.09 | 12 | 610 | 0.9 | <2 | 1.18 | <0.5 | 24 | 156 | 46 | 4.85 | 20 | 1.24 | 10 |
| N433931 | | <0.5 | 6.87 | 15 | 550 | 0.9 | <2 | 0.88 | <0.5 | 27 | 154 | 47 | 5.31 | 20 | 1.59 | 10 |
| N433932 | | <0.5 | 7.31 | <5 | 980 | 2.8 | <2 | 1.01 | <0.5 | 6 | 68 | 2 | 1.97 | 20 | 3.65 | 40 |
| N433933 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N433934 | | <0.5 | 7.78 | <5 | 1530 | 2.9 | <2 | 1.08 | <0.5 | 7 | 69 | 9 | 2.27 | 20 | 4.16 | 40 |
| N433935 | | <0.5 | 6.71 | 6 | 1060 | 0.7 | <2 | 4.11 | <0.5 | 19 | 98 | 17 | 2.90 | 20 | 0.30 | 30 |
| N433936 | | <0.5 | 7.54 | 6 | 480 | 1.6 | <2 | 1.63 | <0.5 | 30 | 194 | 78 | 5.70 | 20 | 3.75 | 10 |
| N433937 | | <0.5 | 7.25 | <5 | 1070 | 2.1 | <2 | 0.90 | <0.5 | 5 | 39 | 1 | 1.49 | 20 | 4.39 | 20 |
| N433938 | | <0.5 | 6.39 | 12 | 2060 | 2.6 | <2 | 5.15 | <0.5 | 29 | 42 | 97 | 6.96 | 20 | 3.75 | 140 |
| N433939 | | <0.5 | 6.55 | 8 | 580 | 1.0 | <2 | 2.09 | <0.5 | 32 | 308 | 44 | 5.11 | 20 | 1.65 | 20 |
| N433940 | | <0.5 | 6.22 | 5 | 1400 | 2.4 | <2 | 3.87 | <0.5 | 31 | 208 | 95 | 5.61 | 20 | 3.51 | 40 |
| N433941 | | <0.5 | 6.73 | <5 | 890 | 1.8 | <2 | 3.87 | <0.5 | 25 | 223 | 26 | 4.52 | 20 | 2.33 | 40 |
| N433942 | | <0.5 | 6.29 | 25 | 1830 | 2.7 | <2 | 2.72 | <0.5 | 35 | 275 | 78 | 6.21 | 20 | 1.91 | 40 |
| N433943 | | <0.5 | 7.25 | 17 | 2170 | 2.0 | <2 | 2.56 | <0.5 | 26 | 242 | 13 | 5.06 | 20 | 2.79 | 40 |
| N433944 | | <0.5 | 6.74 | 10 | 2710 | 2.0 | 3 | 4.08 | <0.5 | 24 | 204 | 62 | 4.54 | 20 | 2.88 | 30 |
| N433945 | | <0.5 | 6.43 | 24 | 1860 | 2.0 | <2 | 3.59 | <0.5 | 25 | 207 | 64 | 5.64 | 20 | 3.60 | 20 |
| N433946 | | <0.5 | 6.57 | 11 | 1440 | 2.3 | 6 | 2.38 | <0.5 | 28 | 173 | 128 | 5.28 | 20 | 2.94 | 30 |
| N433947 | | <0.5 | 6.74 | 26 | 2500 | 2.6 | 4 | 3.96 | <0.5 | 26 | 213 | 56 | 5.98 | 20 | 4.40 | 40 |
| N433948 | | <0.5 | 7.22 | 16 | 1000 | 2.4 | 5 | 6.66 | <0.5 | 29 | 181 | 96 | 6.07 | 20 | 3.23 | 40 |
| N433949 | | <0.5 | 7.57 | 10 | 1500 | 2.1 | 5 | 3.31 | <0.5 | 28 | 277 | 18 | 4.90 | 20 | 2.43 | 40 |
| N433950 | | <0.5 | 6.88 | 19 | 1690 | 2.7 | <2 | 2.94 | <0.5 | 29 | 198 | 87 | 6.02 | 20 | 3.86 | 30 |
| N433951 | | <0.5 | 6.46 | 17 | 1520 | 1.8 | 5 | 4.12 | <0.5 | 28 | 220 | 68 | 5.72 | 20 | 2.24 | 30 |
| N433952 | | <0.5 | 7.25 | 15 | 1750 | 2.8 | 2 | 3.11 | <0.5 | 32 | 214 | 103 | 5.94 | 20 | 5.22 | 40 |
| N433953 | | <0.5 | 7.21 | 23 | 1410 | 2.5 | 4 | 4.23 | <0.5 | 33 | 167 | 67 | 6.22 | 20 | 3.55 | 40 |
| N433954 | | <0.5 | 6.92 | 7 | 580 | 1.1 | 2 | 3.18 | <0.5 | 26 | 280 | 45 | 4.36 | 20 | 2.26 | 20 |
| N433955 | | <0.5 | 6.81 | 10 | 480 | 1.0 | <2 | 2.99 | <0.5 | 30 | 297 | 72 | 5.06 | 20 | 1.14 | 20 |
| N433956 | | <0.5 | 6.91 | 7 | 2150 | 2.2 | <2 | 3.49 | <0.5 | 22 | 48 | 53 | 4.51 | 10 | 3.14 | 40 |
| N433957 | | <0.5 | 6.66 | 18 | 620 | 1.0 | <2 | 1.87 | <0.5 | 30 | 321 | 40 | 4.96 | 20 | 1.71 | 10 |
| N433958 | | <0.5 | 6.87 | 13 | 580 | 1.0 | 4 | 2.17 | <0.5 | 24 | 279 | 41 | 4.64 | 20 | 1.78 | 20 |
| N433959 | | <0.5 | 7.20 | 17 | 590 | 0.9 | <2 | 1.63 | <0.5 | 35 | 352 | 30 | 6.06 | 20 | 1.60 | 10 |
| N433960 | | <0.5 | 6.83 | <5 | 2760 | 2.1 | 2 | 3.88 | <0.5 | 29 | 198 | 75 | 5.94 | 20 | 2.81 | 40 |

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

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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 SD14042944

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N433921 | | 0.78 | 519 | <1 | 3.95 | 23 | 790 | 14 | 0.05 | <5 | 7 | 598 | <20 | 0.10 | <10 | <10 |
| N433922 | | 0.66 | 491 | <1 | 4.66 | 19 | 740 | 12 | 0.03 | <5 | 5 | 495 | <20 | 0.09 | <10 | <10 |
| N433923 | | 0.98 | 421 | <1 | 4.03 | 21 | 700 | 28 | 0.01 | <5 | 6 | 655 | 20 | 0.11 | <10 | <10 |
| N433924 | | 0.28 | 381 | <1 | 4.52 | 10 | 450 | 15 | 0.02 | <5 | 3 | 685 | 20 | 0.14 | <10 | <10 |
| N433925 | | 0.96 | 306 | <1 | 4.97 | 54 | 420 | 19 | 0.02 | <5 | 4 | 935 | 20 | 0.15 | <10 | <10 |
| N433926 | | 0.46 | 117 | <1 | 4.29 | 9 | 370 | 4 | 0.05 | <5 | 2 | 495 | 20 | 0.09 | <10 | <10 |
| N433927 | | 6.92 | 1075 | <1 | 1.35 | 486 | 680 | <2 | 0.02 | <5 | 16 | 331 | <20 | 0.10 | <10 | <10 |
| N433928 | | 0.77 | 410 | <1 | 3.87 | 20 | 680 | 10 | 0.19 | <5 | 5 | 485 | 20 | 0.13 | <10 | <10 |
| N433929 | | 2.24 | 826 | <1 | 3.62 | 33 | 1120 | 4 | 1.85 | <5 | 13 | 320 | <20 | 0.28 | <10 | <10 |
| N433930 | | 1.94 | 518 | <1 | 2.90 | 89 | 570 | <2 | 0.23 | <5 | 20 | 251 | <20 | 0.43 | <10 | 10 |
| N433931 | | 2.63 | 655 | <1 | 1.63 | 82 | 600 | <2 | 0.20 | <5 | 21 | 66 | <20 | 0.28 | <10 | <10 |
| N433932 | | 0.59 | 406 | <1 | 3.77 | 19 | 710 | 9 | 0.02 | <5 | 5 | 387 | 20 | 0.12 | <10 | <10 |
| N433933 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N433934 | | 0.52 | 567 | <1 | 4.08 | 18 | 660 | 15 | 0.03 | <5 | 6 | 534 | <20 | 0.14 | <10 | <10 |
| N433935 | | 2.03 | 658 | <1 | 5.62 | 32 | 1520 | 5 | 0.60 | <5 | 9 | 436 | <20 | 0.15 | <10 | <10 |
| N433936 | | 1.44 | 684 | <1 | 0.43 | 136 | 610 | <2 | 0.11 | <5 | 24 | 104 | <20 | 0.15 | <10 | <10 |
| N433937 | | 0.38 | 364 | <1 | 3.79 | 11 | 420 | 7 | 0.03 | <5 | 3 | 421 | 20 | 0.09 | <10 | <10 |
| N433938 | | 2.74 | 1190 | <1 | 1.42 | 31 | 4400 | 2 | 0.03 | <5 | 24 | 1460 | 30 | 0.48 | <10 | <10 |
| N433939 | | 2.79 | 673 | <1 | 2.54 | 187 | 700 | <2 | 0.11 | <5 | 19 | 310 | <20 | 0.37 | <10 | <10 |
| N433940 | | 3.52 | 1210 | <1 | 1.85 | 73 | 2520 | 15 | 0.01 | <5 | 20 | 843 | <20 | 0.44 | <10 | <10 |
| N433941 | | 3.21 | 769 | <1 | 3.04 | 87 | 1470 | 12 | 0.01 | <5 | 19 | 526 | <20 | 0.24 | <10 | <10 |
| N433942 | | 4.94 | 1125 | <1 | 2.28 | 112 | 2200 | 21 | 0.33 | <5 | 23 | 348 | <20 | 0.50 | <10 | <10 |
| N433943 | | 3.89 | 799 | <1 | 3.19 | 74 | 1740 | 19 | 0.02 | 5 | 24 | 916 | <20 | 0.35 | <10 | <10 |
| N433944 | | 3.38 | 917 | <1 | 2.77 | 59 | 1740 | 11 | 0.06 | <5 | 20 | 597 | <20 | 0.31 | 10 | <10 |
| N433945 | | 3.45 | 1075 | <1 | 2.22 | 105 | 1470 | 11 | 0.04 | <5 | 24 | 376 | <20 | 0.46 | 10 | <10 |
| N433946 | | 1.59 | 588 | 2 | 2.54 | 45 | 2480 | 18 | 1.56 | <5 | 18 | 369 | <20 | 0.24 | <10 | <10 |
| N433947 | | 3.83 | 953 | <1 | 1.61 | 73 | 2430 | 11 | 0.01 | <5 | 22 | 1300 | <20 | 0.51 | 10 | <10 |
| N433948 | | 2.39 | 1080 | <1 | 2.67 | 62 | 2770 | 21 | 0.01 | <5 | 22 | 599 | <20 | 0.51 | <10 | <10 |
| N433949 | | 3.89 | 915 | <1 | 3.79 | 98 | 1600 | 13 | 0.02 | <5 | 22 | 448 | <20 | 0.32 | 10 | <10 |
| N433950 | | 2.68 | 930 | 1 | 2.40 | 61 | 2700 | 19 | 0.01 | <5 | 18 | 598 | <20 | 0.49 | <10 | <10 |
| N433951 | | 3.55 | 1010 | <1 | 2.26 | 69 | 2210 | 12 | 0.02 | <5 | 21 | 583 | <20 | 0.46 | <10 | <10 |
| N433952 | | 2.05 | 755 | <1 | 1.79 | 68 | 3020 | 24 | 0.11 | <5 | 23 | 535 | <20 | 0.49 | <10 | <10 |
| N433953 | | 1.79 | 1145 | <1 | 1.45 | 50 | 2860 | 12 | <0.01 | 5 | 20 | 781 | <20 | 0.37 | <10 | <10 |
| N433954 | | 2.45 | 855 | <1 | 2.26 | 156 | 760 | 8 | 0.14 | <5 | 18 | 259 | <20 | 0.36 | <10 | <10 |
| N433955 | | 2.49 | 1035 | <1 | 2.43 | 172 | 630 | 13 | 0.16 | <5 | 21 | 405 | <20 | 0.41 | <10 | <10 |
| N433956 | | 1.75 | 1100 | <1 | 3.11 | 20 | 2070 | 19 | 0.74 | 6 | 15 | 846 | <20 | 0.28 | <10 | <10 |
| N433957 | | 2.84 | 893 | 1 | 2.45 | 164 | 690 | 9 | 0.11 | <5 | 21 | 330 | <20 | 0.43 | <10 | <10 |
| N433958 | | 2.52 | 692 | 2 | 2.50 | 138 | 780 | 12 | 0.11 | <5 | 18 | 366 | <20 | 0.25 | <10 | <10 |
| N433959 | | 2.70 | 1050 | 4 | 2.20 | 198 | 790 | 9 | 0.13 | 7 | 23 | 279 | <20 | 0.39 | <10 | <10 |
| N433960 | | 3.67 | 910 | <1 | 1.57 | 74 | 2670 | 20 | 0.06 | <5 | 21 | 1050 | <20 | 0.34 | <10 | <10 |

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|
| N433921 | | 59 | <10 | 18 |
| N433922 | | 40 | <10 | 17 |
| N433923 | | 61 | <10 | 60 |
| N433924 | | 49 | <10 | 19 |
| N433925 | | 47 | <10 | 62 |
| N433926 | | 35 | <10 | 17 |
| N433927 | | 125 | <10 | 165 |
| N433928 | | 50 | <10 | 16 |
| N433929 | | 95 | <10 | 27 |
| N433930 | | 141 | <10 | 78 |
| N433931 | | 151 | <10 | 112 |
| N433932 | | 44 | <10 | 22 |
| N433933 | | NSS | NSS | NSS |
| N433934 | | 56 | <10 | 34 |
| N433935 | | 67 | <10 | 17 |
| N433936 | | 178 | <10 | 94 |
| N433937 | | 35 | <10 | 9 |
| N433938 | | 229 | <10 | 109 |
| N433939 | | 146 | <10 | 90 |
| N433940 | | 180 | <10 | 89 |
| N433941 | | 130 | <10 | 68 |
| N433942 | | 192 | <10 | 116 |
| N433943 | | 170 | <10 | 74 |
| N433944 | | 149 | <10 | 73 |
| N433945 | | 181 | <10 | 86 |
| N433946 | | 177 | <10 | 85 |
| N433947 | | 191 | <10 | 85 |
| N433948 | | 191 | <10 | 91 |
| N433949 | | 150 | <10 | 72 |
| N433950 | | 196 | <10 | 90 |
| N433951 | | 174 | <10 | 99 |
| N433952 | | 193 | <10 | 87 |
| N433953 | | 186 | <10 | 101 |
| N433954 | | 130 | <10 | 80 |
| N433955 | | 156 | <10 | 87 |
| N433956 | | 124 | <10 | 65 |
| N433957 | | 164 | <10 | 97 |
| N433958 | | 139 | <10 | 95 |
| N433959 | | 182 | <10 | 106 |
| N433960 | | 196 | <10 | 132 |

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

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N433961 | | <0.5 | 6.65 | 16 | 1250 | 2.8 | <2 | 4.59 | <0.5 | 23 | 138 | 94 | 5.58 | 20 | 3.19 | 40 |
| N433962 | | 0.7 | 7.16 | 37 | 1620 | 2.4 | 5 | 3.37 | <0.5 | 9 | 80 | 14 | 3.07 | 20 | 3.97 | 30 |
| N433963 | | <0.5 | 8.62 | 164 | 1600 | 2.7 | 6 | 0.48 | <0.5 | 15 | 145 | 39 | 4.04 | 20 | 3.85 | 20 |
| N433964 | | <0.5 | 7.86 | 19 | 1600 | 2.0 | <2 | 2.58 | <0.5 | 19 | 66 | 38 | 4.87 | 20 | 2.78 | 30 |
| N440874 | | <0.5 | 7.31 | 21 | 1500 | 2.4 | 3 | 1.98 | <0.5 | 14 | 96 | 67 | 4.48 | 20 | 2.35 | 40 |
| N440875 | | <0.5 | 10.50 | 23 | 3760 | 5.5 | 3 | 0.22 | <0.5 | 6 | 3 | 107 | 3.13 | 20 | 2.31 | 80 |
| N440876 | | <0.5 | 10.55 | 17 | 7470 | 7.9 | 2 | 1.53 | <0.5 | 8 | 3 | 123 | 3.63 | 30 | 3.05 | 80 |
| N440877 | | <0.5 | 9.25 | 13 | 5750 | 6.8 | 3 | 2.32 | <0.5 | 8 | 3 | 114 | 3.56 | 20 | 2.56 | 60 |
| N440878 | | <0.5 | 9.12 | 19 | 1790 | 5.0 | 4 | 2.31 | <0.5 | 14 | 27 | 108 | 4.76 | 20 | 4.59 | 50 |
| N440879 | | <0.5 | 9.09 | 10 | 2160 | 5.5 | <2 | 2.00 | <0.5 | 14 | 27 | 96 | 4.70 | 20 | 4.72 | 60 |
| N440880 | | <0.5 | 6.63 | <5 | 160 | 0.5 | 3 | 5.31 | <0.5 | 48 | 80 | 31 | 11.05 | 20 | 0.95 | <10 |
| N440881 | | <0.5 | 9.07 | 22 | 1390 | 3.7 | <2 | 1.04 | <0.5 | 11 | 15 | 82 | 3.69 | 20 | 1.87 | 90 |
| N440882 | | <0.5 | 6.78 | 20 | 2110 | 2.0 | 3 | 4.30 | <0.5 | 19 | 148 | 158 | 4.71 | 20 | 1.74 | 40 |
| N440883 | | <0.5 | 5.56 | <5 | 910 | 1.2 | 3 | 3.40 | <0.5 | 36 | 319 | 49 | 6.06 | 10 | 0.99 | 10 |
| N440884 | | <0.5 | 9.29 | 67 | 1150 | 2.1 | 2 | 0.36 | <0.5 | 17 | 188 | 43 | 4.33 | 20 | 3.11 | 20 |
| N440885 | | <0.5 | 7.35 | 12 | 2120 | 1.6 | 2 | 4.06 | <0.5 | 19 | 66 | 94 | 5.06 | 20 | 1.53 | 80 |
| N440886 | | <0.5 | 9.14 | <5 | 1440 | 4.8 | 2 | 2.27 | <0.5 | 3 | 16 | 3 | 2.69 | 20 | 4.89 | 40 |
| N440887 | | <0.5 | 9.96 | 17 | 1540 | 4.0 | 2 | 2.24 | <0.5 | 11 | 19 | 72 | 4.23 | 20 | 4.36 | 60 |
| N440888 | | <0.5 | 9.66 | 17 | 9040 | 7.9 | <2 | 1.32 | <0.5 | 9 | 3 | 128 | 3.72 | 20 | 3.62 | 70 |
| N440889 | | <0.5 | 7.64 | 23 | 5520 | 8.9 | <2 | 3.27 | <0.5 | 12 | 3 | 160 | 5.38 | 20 | 2.81 | 90 |
| N440890 | | <0.5 | 8.14 | <5 | 2450 | 6.1 | <2 | 3.21 | <0.5 | 5 | 3 | 220 | 3.35 | 20 | 2.88 | 40 |
| N440891 | | <0.5 | 7.99 | 7 | 2210 | 4.1 | <2 | 3.10 | <0.5 | 21 | 25 | 79 | 4.92 | 20 | 5.63 | 50 |
| N440892 | | <0.5 | 7.17 | 19 | 2030 | 3.4 | <2 | 4.88 | <0.5 | 23 | 92 | 97 | 5.73 | 20 | 3.01 | 80 |
| N440893 | | <0.5 | 7.30 | 10 | 2010 | 4.3 | <2 | 3.93 | <0.5 | 24 | 60 | 117 | 5.56 | 20 | 5.02 | 70 |
| N440894 | | <0.5 | 6.80 | 9 | 2870 | 2.0 | 2 | 4.71 | <0.5 | 22 | 62 | 110 | 4.85 | 20 | 3.18 | 80 |
| N440895 | | <0.5 | 10.05 | 20 | 2210 | 4.5 | <2 | 1.08 | <0.5 | 15 | 26 | 82 | 4.73 | 20 | 4.79 | 80 |
| N440896 | | <0.5 | 6.87 | 9 | 2200 | 2.0 | <2 | 3.14 | <0.5 | 10 | 44 | 16 | 2.94 | 20 | 2.74 | 30 |
| N440897 | | <0.5 | 6.80 | 18 | 520 | 1.4 | <2 | 5.24 | <0.5 | 26 | 95 | 130 | 6.12 | 20 | 2.44 | 90 |
| N440898 | | <0.5 | 6.86 | 9 | 1690 | 3.7 | <2 | 5.31 | <0.5 | 32 | 164 | 103 | 6.26 | 20 | 3.42 | 40 |
| N440899 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N440900 | | <0.5 | 6.92 | <5 | 1050 | 1.5 | <2 | 1.97 | <0.5 | 19 | 149 | 12 | 3.79 | 20 | 1.01 | 40 |
| N440901 | | <0.5 | 7.46 | 32 | 1390 | 1.5 | <2 | 2.41 | <0.5 | 11 | 41 | 32 | 3.60 | 20 | 2.42 | 30 |
| N440902 | | <0.5 | 6.94 | <5 | 1580 | 2.1 | 2 | 3.54 | <0.5 | 18 | 90 | 66 | 4.37 | 20 | 2.31 | 30 |
| N440903 | | <0.5 | 7.99 | 25 | 1740 | 1.9 | <2 | 1.50 | <0.5 | 10 | 54 | 13 | 2.66 | 20 | 2.40 | 40 |
| N440904 | | <0.5 | 8.07 | 36 | 1720 | 2.3 | <2 | 1.87 | <0.5 | 12 | 61 | 14 | 2.83 | 20 | 3.01 | 40 |
| N440905 | | <0.5 | 7.18 | <5 | 2510 | 1.8 | 3 | 2.53 | <0.5 | 10 | 66 | 18 | 2.66 | 20 | 2.32 | 30 |
| N440906 | | <0.5 | 7.25 | 38 | 1680 | 3.1 | 2 | 3.29 | <0.5 | 20 | 111 | 114 | 5.84 | 20 | 2.94 | 90 |
| N440907 | | <0.5 | 7.55 | 32 | 2430 | 1.7 | <2 | 1.87 | <0.5 | 9 | 57 | 9 | 2.41 | 20 | 2.37 | 30 |
| N440908 | | <0.5 | 6.83 | 22 | 2000 | 1.6 | <2 | 2.43 | <0.5 | 12 | 65 | 4 | 2.78 | 20 | 2.80 | 30 |
| N440909 | | <0.5 | 7.01 | 14 | 2070 | 2.0 | <2 | 2.31 | <0.5 | 12 | 56 | 18 | 2.60 | 20 | 2.49 | 30 |

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
| N433961 | | 2.96 | 1105 | <1 | 1.12 | 40 | 2510 | 12 | 0.01 | 5 | 20 | 1465 | <20 | 0.37 | 10 | <10 |
| N433962 | | 2.07 | 2320 | <1 | 1.98 | 29 | 1010 | 24 | 1.62 | <5 | 8 | 1020 | <20 | 0.20 | <10 | <10 |
| N433963 | | 1.86 | 456 | 4 | 1.49 | 63 | 970 | 28 | 0.47 | <5 | 16 | 144 | <20 | 0.35 | 10 | <10 |
| N433964 | | 2.06 | 778 | <1 | 2.82 | 23 | 1490 | 13 | 0.33 | <5 | 17 | 718 | <20 | 0.29 | <10 | <10 |
| N440874 | | 1.35 | 672 | <1 | 2.42 | 29 | 1350 | 17 | 0.01 | <5 | 16 | 625 | <20 | 0.32 | <10 | <10 |
| N440875 | | 0.19 | 1060 | <1 | 5.47 | 4 | 1140 | 78 | 0.01 | <5 | 3 | 406 | 30 | 0.20 | <10 | <10 |
| N440876 | | 0.59 | 1080 | <1 | 4.58 | 2 | 790 | 44 | 0.08 | <5 | 3 | 1115 | 30 | 0.35 | 10 | <10 |
| N440877 | | 0.62 | 1290 | <1 | 4.58 | 1 | 920 | 22 | 0.05 | <5 | 3 | 5170 | 30 | 0.33 | <10 | <10 |
| N440878 | | 0.61 | 821 | <1 | 3.49 | 12 | 3680 | 23 | 0.02 | 5 | 7 | 1155 | 20 | 0.30 | <10 | <10 |
| N440879 | | 0.72 | 990 | <1 | 3.44 | 11 | 3250 | 29 | 0.02 | 5 | 7 | 972 | 20 | 0.29 | <10 | <10 |
| N440880 | | 4.21 | 1470 | <1 | 2.02 | 91 | 850 | 3 | 0.25 | <5 | 41 | 192 | <20 | 1.26 | 10 | <10 |
| N440881 | | 0.44 | 1050 | <1 | 5.10 | 7 | 2100 | 56 | 0.05 | 7 | 6 | 748 | 30 | 0.27 | <10 | <10 |
| N440882 | | 2.12 | 1070 | <1 | 2.87 | 41 | 1180 | 50 | 0.04 | <5 | 19 | 1820 | <20 | 0.30 | <10 | <10 |
| N440883 | | 4.03 | 1085 | <1 | 2.17 | 114 | 870 | 10 | 0.01 | 5 | 25 | 444 | <20 | 0.24 | <10 | <10 |
| N440884 | | 1.46 | 305 | <1 | 1.42 | 104 | 880 | 49 | 0.02 | 8 | 20 | 129 | <20 | 0.27 | <10 | <10 |
| N440885 | | 1.58 | 1105 | <1 | 4.91 | 21 | 2020 | 27 | 0.06 | 8 | 15 | 1620 | 20 | 0.23 | 10 | <10 |
| N440886 | | 0.53 | 706 | <1 | 2.29 | 9 | 1950 | 10 | <0.01 | <5 | 5 | 525 | 20 | 0.22 | <10 | <10 |
| N440887 | | 0.80 | 1020 | <1 | 4.24 | 9 | 1950 | 21 | 0.01 | <5 | 6 | 928 | 20 | 0.27 | <10 | <10 |
| N440888 | | 0.55 | 1000 | <1 | 4.06 | 6 | 740 | 64 | 0.19 | <5 | 3 | 648 | 30 | 0.36 | <10 | <10 |
| N440889 | | 0.74 | 1660 | <1 | 3.80 | 5 | 1340 | 63 | 0.15 | <5 | 5 | 1420 | 30 | 0.59 | <10 | <10 |
| N440890 | | 0.60 | 1095 | <1 | 4.61 | 3 | 870 | 5 | 0.03 | <5 | 3 | 610 | 20 | 0.35 | <10 | <10 |
| N440891 | | 0.93 | 1025 | <1 | 2.21 | 11 | 2380 | 23 | 0.13 | 7 | 7 | 1225 | 20 | 0.26 | <10 | <10 |
| N440892 | | 2.30 | 1245 | <1 | 3.41 | 26 | 2340 | 23 | 0.02 | <5 | 19 | 1640 | 20 | 0.36 | <10 | <10 |
| N440893 | | 1.79 | 1300 | <1 | 2.26 | 22 | 2430 | 38 | 0.02 | 9 | 15 | 1315 | 20 | 0.40 | <10 | <10 |
| N440894 | | 1.90 | 1215 | <1 | 3.12 | 18 | 2210 | 26 | 0.07 | 8 | 15 | 1945 | 30 | 0.32 | <10 | <10 |
| N440895 | | 0.53 | 922 | <1 | 2.12 | 11 | 2300 | 8 | 0.01 | <5 | 7 | 846 | 30 | 0.27 | <10 | <10 |
| N440896 | | 1.21 | 735 | <1 | 1.52 | 24 | 900 | 11 | 0.32 | <5 | 7 | 922 | <20 | 0.16 | <10 | <10 |
| N440897 | | 2.00 | 1875 | <1 | 4.13 | 26 | 2250 | 8 | 0.01 | 8 | 20 | 1110 | 20 | 0.39 | <10 | <10 |
| N440898 | | 3.81 | 1270 | 1 | 2.20 | 55 | 2710 | 5 | 0.02 | <5 | 21 | 807 | <20 | 0.53 | <10 | <10 |
| N440899 | | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS | NSS |
| N440900 | | 2.89 | 630 | <1 | 3.99 | 92 | 1240 | 7 | 0.01 | 5 | 11 | 773 | <20 | 0.17 | 10 | <10 |
| N440901 | | 1.05 | 776 | <1 | 3.53 | 17 | 1080 | 16 | 0.30 | <5 | 10 | 820 | <20 | 0.18 | <10 | <10 |
| N440902 | | 1.61 | 972 | 1 | 2.31 | 30 | 1200 | 8 | 0.03 | <5 | 14 | 813 | <20 | 0.28 | <10 | <10 |
| N440903 | | 0.68 | 664 | <1 | 3.60 | 29 | 780 | 24 | 0.40 | 5 | 6 | 1015 | <20 | 0.12 | <10 | <10 |
| N440904 | | 0.87 | 680 | <1 | 2.72 | 32 | 880 | 20 | 0.63 | <5 | 7 | 950 | <20 | 0.15 | <10 | <10 |
| N440905 | | 0.97 | 668 | <1 | 3.34 | 29 | 850 | 27 | 0.06 | <5 | 7 | 1455 | <20 | 0.13 | <10 | <10 |
| N440906 | | 2.27 | 1370 | <1 | 1.84 | 60 | 2300 | 11 | 0.14 | 9 | 16 | 844 | 20 | 0.34 | <10 | <10 |
| N440907 | | 0.78 | 555 | <1 | 3.34 | 26 | 790 | 8 | 0.83 | <5 | 7 | 854 | <20 | 0.15 | <10 | <10 |
| N440908 | | 1.11 | 1100 | <1 | 2.82 | 29 | 880 | 41 | 0.42 | <5 | 7 | 833 | <20 | 0.20 | <10 | <10 |
| N440909 | | 0.88 | 764 | <1 | 2.57 | 27 | 930 | 8 | 0.17 | <5 | 9 | 786 | <20 | 0.17 | <10 | <10 |

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**KIRKLAND LAKE ON P2N 3L1**


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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|
| N433961 | | 179 | <10 | 153 |
| N433962 | | 114 | <10 | 57 |
| N433963 | | 129 | <10 | 83 |
| N433964 | | 158 | <10 | 107 |
| N440874 | | 163 | <10 | 117 |
| N440875 | | 166 | <10 | 99 |
| N440876 | | 176 | <10 | 113 |
| N440877 | | 183 | <10 | 49 |
| N440878 | | 145 | <10 | 82 |
| N440879 | | 135 | 10 | 104 |
| N440880 | | 426 | <10 | 96 |
| N440881 | | 104 | 10 | 123 |
| N440882 | | 154 | <10 | 102 |
| N440883 | | 149 | <10 | 81 |
| N440884 | | 150 | <10 | 125 |
| N440885 | | 170 | <10 | 99 |
| N440886 | | 105 | <10 | 59 |
| N440887 | | 109 | <10 | 90 |
| N440888 | | 181 | <10 | 154 |
| N440889 | | 249 | <10 | 208 |
| N440890 | | 156 | <10 | 53 |
| N440891 | | 128 | <10 | 91 |
| N440892 | | 200 | <10 | 102 |
| N440893 | | 209 | 10 | 167 |
| N440894 | | 148 | <10 | 94 |
| N440895 | | 124 | <10 | 126 |
| N440896 | | 63 | 10 | 74 |
| N440897 | | 167 | 10 | 71 |
| N440898 | | 188 | <10 | 119 |
| N440899 | | NSS | NSS | NSS |
| N440900 | | 93 | <10 | 96 |
| N440901 | | 91 | 10 | 81 |
| N440902 | | 137 | <10 | 83 |
| N440903 | | 60 | 10 | 81 |
| N440904 | | 69 | 10 | 79 |
| N440905 | | 70 | <10 | 79 |
| N440906 | | 212 | 10 | 171 |
| N440907 | | 57 | <10 | 66 |
| N440908 | | 73 | <10 | 187 |
| N440909 | | 84 | <10 | 72 |

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# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
| N440910 | | <0.5 | 7.05 | 45 | 2260 | 2.0 | <2 | 3.70 | <0.5 | 15 | 76 | 38 | 3.59 | 20 | 2.67 | 30 |
| N440911 | | <0.5 | 5.51 | 19 | 630 | 1.0 | 2 | 3.70 | <0.5 | 22 | 56 | 36 | 3.91 | 10 | 1.51 | 30 |

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# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
| N440910 | | 1.46 | 837 | <1 | 2.82 | 30 | 1040 | 12 | 0.54 | <5 | 10 | 1970 | <20 | 0.14 | <10 | <10 |
| N440911 | | 1.58 | 832 | 1 | 1.99 | 25 | 1070 | 9 | 0.14 | <5 | 10 | 536 | <20 | 0.18 | <10 | <10 |

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# CERTIFICATE OF ANALYSIS SD14042944

| 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 |
|---|---|---|---|---|
| N440910 | | 107 | <10 | 88 |
| N440911 | | 98 | <10 | 58 |

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

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042944

## 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