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: 22-MAR-2014**
**Account: OSIKLI**

# CERTIFICATE SD14042659

Project: KL_LITHO

P.O. No.: KL 000436

This report is for 96 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: 22-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
| L174501 | | <0.5 | 6.00 | <5 | 50 | <0.5 | <2 | 6.60 | <0.5 | 37 | 312 | 108 | 10.40 | 10 | 0.08 | 10 |
| L174502 | | <0.5 | 6.88 | 6 | 90 | <0.5 | <2 | 7.17 | <0.5 | 38 | 55 | 43 | 7.81 | 20 | 0.34 | <10 |
| L174503 | | <0.5 | 6.42 | <5 | 30 | <0.5 | <2 | 6.86 | 0.5 | 40 | 167 | 43 | 9.60 | 10 | 0.10 | 10 |
| L174504 | | <0.5 | 6.66 | <5 | 200 | <0.5 | <2 | 4.80 | <0.5 | 42 | 280 | 46 | 6.69 | 10 | 0.44 | <10 |
| L174505 | | <0.5 | 6.88 | 6 | 70 | <0.5 | <2 | 6.86 | <0.5 | 37 | 231 | 58 | 8.05 | 20 | 0.25 | <10 |
| L174506 | | <0.5 | 5.29 | <5 | 100 | 0.7 | 3 | 4.51 | 0.5 | 35 | 9 | 14 | 13.35 | 20 | 0.28 | 10 |
| L174507 | | <0.5 | 5.59 | 6 | 100 | 0.7 | 2 | 5.14 | <0.5 | 31 | 6 | 13 | 11.70 | 20 | 0.18 | 10 |
| L174508 | | <0.5 | 6.57 | 8 | 100 | <0.5 | 3 | 6.99 | 0.6 | 58 | 332 | 181 | 8.79 | 20 | 0.20 | 10 |
| L174509 | | <0.5 | 5.76 | 5 | 20 | <0.5 | 3 | 8.05 | 0.6 | 14 | 138 | 46 | 4.41 | 30 | 0.05 | <10 |
| L174510 | | <0.5 | 6.08 | 10 | 60 | <0.5 | <2 | 5.08 | <0.5 | 50 | 457 | 44 | 7.63 | 10 | 0.10 | <10 |
| L174511 | | <0.5 | 6.63 | 10 | 40 | <0.5 | <2 | 7.47 | <0.5 | 50 | 105 | 47 | 7.99 | 20 | 0.12 | <10 |
| L174512 | | <0.5 | 7.15 | 5 | 100 | <0.5 | <2 | 6.89 | <0.5 | 49 | 132 | 90 | 8.43 | 20 | 0.62 | <10 |
| L174513 | | <0.5 | 7.85 | <5 | 340 | <0.5 | <2 | 6.95 | 0.7 | 50 | 122 | 64 | 8.00 | 20 | 0.94 | 10 |
| L174514 | | <0.5 | 2.73 | 6 | 40 | <0.5 | <2 | 7.88 | 0.7 | 75 | 1455 | 81 | 6.36 | 10 | 0.21 | <10 |
| L174515 | | <0.5 | 2.67 | <5 | 20 | <0.5 | <2 | 3.69 | <0.5 | 78 | 1485 | 14 | 6.58 | 10 | 0.02 | <10 |
| L174516 | | <0.5 | 2.61 | <5 | 20 | <0.5 | <2 | 3.53 | <0.5 | 90 | 1560 | 17 | 6.62 | 10 | 0.03 | <10 |
| L174517 | | <0.5 | 1.84 | <5 | 10 | <0.5 | <2 | 1.08 | <0.5 | 89 | 1395 | 20 | 6.11 | 10 | 0.01 | <10 |
| L174518 | | <0.5 | 6.54 | 8 | 140 | <0.5 | <2 | 9.25 | <0.5 | 48 | 99 | 101 | 8.52 | 20 | 0.33 | 10 |
| L174519 | | <0.5 | 6.89 | 7 | 80 | 0.5 | <2 | 5.50 | 0.6 | 41 | 88 | 99 | 10.25 | 20 | 0.28 | 10 |
| L174520 | | <0.5 | 7.13 | 11 | 1170 | 0.6 | 3 | 6.15 | 0.7 | 49 | 64 | 191 | 10.40 | 20 | 0.92 | 10 |
| L174521 | | <0.5 | 6.69 | 41 | 190 | <0.5 | <2 | 5.75 | <0.5 | 40 | 213 | 124 | 8.17 | 10 | 0.69 | 10 |
| L174522 | | <0.5 | 6.77 | 29 | 2620 | 2.9 | <2 | 3.04 | <0.5 | 19 | 93 | 102 | 4.88 | 20 | 2.41 | 40 |
| L174523 | | <0.5 | 7.25 | 6 | 1330 | 1.5 | <2 | 2.38 | <0.5 | 18 | 75 | 25 | 4.36 | 20 | 1.98 | 20 |
| L174524 | | <0.5 | 6.60 | 22 | 1660 | 1.9 | <2 | 3.02 | <0.5 | 21 | 178 | 18 | 5.38 | 20 | 3.07 | 30 |
| L174525 | | <0.5 | 5.87 | 16 | 2850 | 3.3 | <2 | 5.42 | <0.5 | 25 | 75 | 66 | 5.10 | 20 | 3.67 | 120 |
| L174526 | | <0.5 | 5.78 | 9 | 70 | <0.5 | <2 | 4.89 | <0.5 | 37 | 17 | 105 | 8.06 | 20 | 0.34 | <10 |
| L174527 | | <0.5 | 6.26 | 19 | 140 | <0.5 | <2 | 4.00 | <0.5 | 44 | 332 | 11 | 6.94 | 10 | 0.53 | <10 |
| L174528 | | <0.5 | 6.22 | 9 | 1960 | 1.6 | <2 | 5.93 | <0.5 | 32 | 349 | 73 | 5.30 | 20 | 2.47 | 40 |
| L174529 | | <0.5 | 7.41 | <5 | 620 | 2.2 | <2 | 2.60 | <0.5 | 13 | 103 | 5 | 3.69 | 20 | 0.42 | 30 |
| L174530 | | <0.5 | 4.55 | 8 | 1180 | 0.8 | <2 | 7.54 | 0.8 | 61 | 341 | 539 | 8.39 | 10 | 1.57 | 30 |
| L174531 | | <0.5 | 5.24 | <5 | 1380 | 1.2 | 3 | 7.58 | 0.6 | 54 | 389 | 221 | 8.54 | 10 | 1.49 | 30 |
| L174532 | | <0.5 | 4.06 | <5 | 1020 | 0.5 | 4 | 8.48 | <0.5 | 66 | 801 | 45 | 7.37 | 10 | 2.54 | 10 |
| L174534 | | <0.5 | 6.31 | <5 | 1170 | 1.5 | 2 | 5.10 | 0.5 | 40 | 392 | 63 | 6.30 | 20 | 2.51 | 30 |
| L174535 | | <0.5 | 3.90 | <5 | 1620 | 0.6 | 3 | 7.20 | <0.5 | 63 | 783 | 12 | 6.88 | 10 | 2.11 | 10 |
| L174536 | | <0.5 | 3.13 | 524 | 330 | 0.7 | <2 | 5.43 | <0.5 | 60 | 987 | 16 | 5.80 | 10 | 1.26 | <10 |
| L174537 | | <0.5 | 8.04 | 12 | 1390 | 2.9 | <2 | 2.04 | <0.5 | 28 | 158 | 59 | 6.14 | 20 | 3.98 | 40 |
| L174538 | | <0.5 | 7.69 | 28 | 650 | 1.9 | 3 | 0.79 | <0.5 | 31 | 343 | 52 | 4.94 | 20 | 1.68 | 30 |
| L174539 | | <0.5 | 6.78 | <5 | 410 | 0.8 | 4 | 5.15 | <0.5 | 37 | 130 | 58 | 7.84 | 10 | 0.77 | 20 |
| L174540 | | <0.5 | 2.46 | 944 | 170 | <0.5 | <2 | 9.08 | 0.6 | 64 | 1230 | 14 | 5.11 | 10 | 1.39 | <10 |
| L174201 | | <0.5 | 6.96 | <5 | 30 | <0.5 | 2 | 9.07 | 0.9 | 49 | 182 | 156 | 10.70 | 20 | 0.08 | 10 |

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

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**Finalized Date: 22-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L174501 | | 4.06 | 2910 | <1 | 0.21 | 92 | 380 | 2 | 0.25 | 5 | 35 | 112 | <20 | 0.51 | <10 | <10 |
| L174502 | | 4.46 | 1340 | <1 | 1.03 | 67 | 200 | 3 | 0.02 | 5 | 41 | 189 | <20 | 0.37 | <10 | <10 |
| L174503 | | 3.99 | 3050 | 4 | 1.04 | 70 | 410 | 3 | 0.39 | <5 | 36 | 154 | <20 | 0.50 | <10 | <10 |
| L174504 | | 3.69 | 1545 | <1 | 2.30 | 127 | 440 | 6 | 0.05 | 8 | 35 | 195 | <20 | 0.54 | <10 | <10 |
| L174505 | | 4.16 | 1385 | <1 | 0.99 | 87 | 300 | <2 | 0.03 | <5 | 37 | 124 | <20 | 0.44 | <10 | <10 |
| L174506 | | 1.33 | 1915 | 1 | 1.95 | <1 | 950 | 4 | 0.29 | 5 | 40 | 165 | <20 | 1.31 | <10 | <10 |
| L174507 | | 1.14 | 1850 | <1 | 1.45 | <1 | 1010 | 7 | 0.41 | 9 | 40 | 98 | <20 | 1.27 | <10 | <10 |
| L174508 | | 3.16 | 2670 | <1 | 1.16 | 124 | 460 | 15 | 0.86 | 5 | 36 | 134 | <20 | 0.54 | <10 | <10 |
| L174509 | | 0.99 | 876 | <1 | 0.06 | 43 | 250 | 10 | 0.17 | <5 | 14 | 111 | <20 | 0.21 | <10 | <10 |
| L174510 | | 6.02 | 1300 | <1 | 3.00 | 162 | 200 | <2 | 0.01 | <5 | 36 | 43 | <20 | 0.38 | <10 | <10 |
| L174511 | | 3.54 | 1860 | <1 | 2.33 | 70 | 340 | 2 | 0.07 | 7 | 45 | 190 | <20 | 0.51 | <10 | <10 |
| L174512 | | 4.53 | 1410 | 2 | 1.87 | 82 | 280 | 2 | 0.22 | 5 | 44 | 228 | <20 | 0.40 | <10 | <10 |
| L174513 | | 2.75 | 2130 | <1 | 1.79 | 86 | 450 | 26 | 0.05 | 6 | 47 | 169 | <20 | 0.77 | <10 | <10 |
| L174514 | | 11.95 | 1585 | <1 | 0.45 | 1130 | 90 | 14 | 0.45 | <5 | 18 | 66 | <20 | 0.15 | <10 | <10 |
| L174515 | | 16.15 | 1165 | <1 | 0.10 | 1335 | 80 | 3 | 0.07 | 7 | 18 | 68 | <20 | 0.15 | <10 | <10 |
| L174516 | | 15.85 | 1135 | <1 | 0.15 | 1545 | 80 | <2 | 0.11 | <5 | 17 | 61 | <20 | 0.14 | <10 | <10 |
| L174517 | | 18.85 | 948 | <1 | 0.04 | 1710 | 50 | <2 | 0.03 | <5 | 11 | 15 | <20 | 0.12 | <10 | <10 |
| L174518 | | 2.26 | 1785 | 2 | 1.43 | 76 | 390 | 11 | 0.28 | <5 | 39 | 264 | <20 | 0.61 | <10 | <10 |
| L174519 | | 3.30 | 2250 | <1 | 2.62 | 56 | 490 | 5 | 0.57 | <5 | 43 | 300 | <20 | 0.74 | <10 | <10 |
| L174520 | | 2.70 | 1470 | <1 | 1.72 | 50 | 620 | 8 | 0.65 | <5 | 42 | 352 | <20 | 0.98 | 10 | <10 |
| L174521 | | 4.08 | 1225 | 2 | 1.41 | 62 | 410 | 6 | 0.13 | <5 | 37 | 415 | <20 | 0.51 | <10 | <10 |
| L174522 | | 2.41 | 981 | <1 | 2.71 | 29 | 1610 | 30 | 0.11 | <5 | 15 | 1665 | 20 | 0.40 | <10 | <10 |
| L174523 | | 1.95 | 739 | <1 | 3.99 | 20 | 1330 | 12 | 0.01 | 10 | 13 | 624 | <20 | 0.35 | <10 | <10 |
| L174524 | | 2.53 | 1040 | 3 | 3.02 | 44 | 1600 | 12 | 0.04 | 9 | 19 | 971 | <20 | 0.37 | <10 | <10 |
| L174525 | | 1.86 | 1780 | 1 | 1.70 | 35 | 2700 | 17 | 0.27 | <5 | 15 | 1690 | 30 | 0.36 | <10 | <10 |
| L174526 | | 2.89 | 1350 | <1 | 2.47 | 37 | 400 | 2 | 0.15 | <5 | 34 | 104 | <20 | 0.43 | <10 | <10 |
| L174527 | | 3.77 | 1200 | <1 | 1.23 | 113 | 300 | 4 | 0.12 | <5 | 32 | 96 | <20 | 0.34 | <10 | <10 |
| L174528 | | 4.45 | 968 | <1 | 1.81 | 104 | 1730 | 18 | 0.07 | <5 | 20 | 789 | <20 | 0.34 | <10 | <10 |
| L174529 | | 1.92 | 672 | <1 | 5.37 | 35 | 1180 | 11 | 0.06 | <5 | 9 | 826 | <20 | 0.29 | <10 | <10 |
| L174530 | | 7.38 | 1070 | <1 | 1.26 | 149 | 4210 | 27 | 0.11 | 5 | 37 | 735 | <20 | 0.53 | <10 | <10 |
| L174531 | | 7.02 | 1250 | 1 | 1.61 | 123 | 1990 | 11 | 0.09 | <5 | 44 | 751 | <20 | 0.51 | <10 | <10 |
| L174532 | | 10.35 | 1165 | <1 | 0.57 | 267 | 1820 | 4 | 0.01 | <5 | 45 | 365 | <20 | 0.52 | <10 | <10 |
| L174534 | | 5.66 | 947 | <1 | 2.50 | 105 | 2040 | 7 | 0.02 | <5 | 24 | 1260 | <20 | 0.55 | <10 | <10 |
| L174535 | | 9.87 | 1170 | <1 | 0.73 | 331 | 590 | 4 | 0.02 | <5 | 39 | 381 | <20 | 0.46 | <10 | <10 |
| L174536 | | 9.03 | 1225 | <1 | 0.03 | 715 | 80 | <2 | 0.07 | <5 | 18 | 353 | <20 | 0.05 | <10 | <10 |
| L174537 | | 2.00 | 961 | 1 | 1.99 | 114 | 1620 | 12 | 0.06 | 6 | 22 | 415 | <20 | 0.30 | <10 | <10 |
| L174538 | | 2.53 | 597 | 1 | 2.61 | 231 | 990 | 10 | 0.08 | <5 | 18 | 126 | <20 | 0.27 | <10 | <10 |
| L174539 | | 3.93 | 1105 | <1 | 2.97 | 64 | 900 | 7 | 0.08 | <5 | 34 | 305 | <20 | 0.45 | <10 | <10 |
| L174540 | | 8.76 | 1465 | <1 | 0.03 | 971 | 40 | <2 | 0.24 | 16 | 16 | 405 | <20 | 0.05 | <10 | <10 |
| L174201 | | 4.39 | 2580 | <1 | 0.64 | 91 | 340 | <2 | 0.22 | <5 | 39 | 121 | <20 | 0.61 | <10 | <10 |

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**Finalized Date: 22-MAR-2014**
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Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
|---|---|---|---|---|
| L174501 | | 214 | <10 | 97 |
| L174502 | | 240 | <10 | 81 |
| L174503 | | 231 | <10 | 99 |
| L174504 | | 216 | <10 | 87 |
| L174505 | | 272 | <10 | 69 |
| L174506 | | 27 | <10 | 155 |
| L174507 | | 28 | <10 | 119 |
| L174508 | | 228 | <10 | 98 |
| L174509 | | 120 | <10 | 57 |
| L174510 | | 226 | <10 | 82 |
| L174511 | | 274 | <10 | 79 |
| L174512 | | 257 | <10 | 86 |
| L174513 | | 358 | <10 | 155 |
| L174514 | | 108 | <10 | 65 |
| L174515 | | 106 | <10 | 65 |
| L174516 | | 104 | <10 | 59 |
| L174517 | | 89 | <10 | 53 |
| L174518 | | 283 | <10 | 95 |
| L174519 | | 321 | <10 | 121 |
| L174520 | | 374 | <10 | 119 |
| L174521 | | 230 | <10 | 79 |
| L174522 | | 165 | <10 | 95 |
| L174523 | | 155 | <10 | 94 |
| L174524 | | 150 | <10 | 92 |
| L174525 | | 157 | <10 | 99 |
| L174526 | | 270 | <10 | 74 |
| L174527 | | 209 | <10 | 103 |
| L174528 | | 154 | <10 | 82 |
| L174529 | | 85 | <10 | 57 |
| L174530 | | 315 | <10 | 92 |
| L174531 | | 287 | <10 | 99 |
| L174532 | | 231 | <10 | 86 |
| L174534 | | 176 | <10 | 90 |
| L174535 | | 187 | <10 | 87 |
| L174536 | | 117 | <10 | 84 |
| L174537 | | 216 | <10 | 98 |
| L174538 | | 149 | <10 | 93 |
| L174539 | | 223 | <10 | 68 |
| L174540 | | 93 | <10 | 42 |
| L174201 | | 311 | <10 | 82 |

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# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
| L174202 | | <0.5 | 7.31 | 14 | 120 | <0.5 | <2 | 9.03 | 0.5 | 45 | 39 | 101 | 10.60 | 20 | 0.11 | 10 |
| L174203 | | <0.5 | 8.05 | 14 | 180 | <0.5 | 3 | 7.09 | <0.5 | 46 | 222 | 106 | 7.69 | 20 | 0.32 | <10 |
| L174204 | | <0.5 | 7.11 | <5 | 50 | <0.5 | <2 | 7.57 | 0.8 | 50 | 32 | 98 | 10.10 | 30 | 0.09 | 10 |
| L174205 | | <0.5 | 8.98 | <5 | 30 | <0.5 | 2 | 8.65 | 0.5 | 56 | 115 | 117 | 7.84 | 20 | 0.06 | <10 |
| L174206 | | <0.5 | 8.40 | <5 | 30 | <0.5 | <2 | 7.99 | 0.5 | 52 | 144 | 146 | 8.43 | 20 | 0.10 | <10 |
| L174207 | | <0.5 | 8.36 | <5 | 70 | <0.5 | 3 | 7.51 | 0.7 | 73 | 133 | 125 | 9.03 | 20 | 0.24 | <10 |
| L174208 | | <0.5 | 8.14 | <5 | 2690 | 2.0 | <2 | 0.19 | <0.5 | 6 | 27 | 2 | 2.65 | 30 | 1.39 | 20 |
| L174209 | | <0.5 | 7.29 | <5 | 2490 | 2.5 | <2 | 1.96 | <0.5 | 8 | 45 | 9 | 2.44 | 20 | 2.64 | 20 |
| L174210 | | <0.5 | 8.00 | 6 | 140 | 1.0 | 2 | 3.39 | <0.5 | 46 | 217 | 131 | 9.26 | 20 | 0.20 | <10 |
| L174211 | | 4.5 | 7.27 | 7 | 180 | <0.5 | 2 | 5.51 | <0.5 | 32 | 34 | 71 | 7.23 | 20 | 0.13 | 10 |
| L174212 | | <0.5 | 6.10 | 58 | 20 | <0.5 | 4 | 5.72 | 0.7 | 49 | 28 | 88 | 10.45 | 20 | 0.04 | <10 |
| L174213 | | <0.5 | 7.51 | <5 | 50 | <0.5 | 3 | 8.78 | <0.5 | 49 | 126 | 131 | 8.09 | 20 | 0.10 | <10 |
| L174214 | | <0.5 | 6.78 | <5 | 50 | 0.5 | 4 | 7.67 | 0.7 | 56 | 14 | 131 | 11.15 | 20 | 0.10 | 10 |
| L174215 | | <0.5 | 6.81 | <5 | 60 | <0.5 | 3 | 5.51 | 0.6 | 54 | 15 | 121 | 9.40 | 20 | 0.09 | 10 |
| L174216 | | <0.5 | 6.87 | <5 | 120 | <0.5 | 4 | 7.37 | 0.6 | 53 | 15 | 133 | 10.50 | 20 | 0.19 | 10 |
| L174217 | | <0.5 | 8.91 | <5 | 40 | <0.5 | 3 | 7.47 | 0.5 | 58 | 201 | 136 | 7.69 | 20 | 0.06 | <10 |
| L174218 | | <0.5 | 8.43 | <5 | 110 | 0.6 | 3 | 5.43 | <0.5 | 33 | 79 | 65 | 5.76 | 20 | 0.09 | 10 |
| L174219 | | <0.5 | 8.32 | <5 | 390 | <0.5 | 3 | 4.24 | 0.7 | 48 | 275 | 158 | 8.39 | 20 | 1.44 | <10 |
| L174220 | | <0.5 | 7.48 | <5 | 80 | <0.5 | 3 | 6.91 | 0.5 | 44 | 211 | 148 | 8.26 | 20 | 0.16 | 10 |
| L174221 | | <0.5 | 7.84 | 6 | 120 | <0.5 | 2 | 7.42 | 0.6 | 43 | 203 | 103 | 8.07 | 20 | 0.17 | <10 |
| L174222 | | <0.5 | 7.41 | <5 | 50 | <0.5 | 3 | 7.04 | 0.8 | 41 | 208 | 109 | 9.28 | 20 | 0.16 | <10 |
| L174223 | | <0.5 | 6.92 | 9 | 50 | <0.5 | 3 | 5.50 | <0.5 | 35 | 52 | 85 | 8.29 | 20 | 0.06 | 10 |
| L174224 | | <0.5 | 7.65 | 10 | 130 | <0.5 | <2 | 5.13 | <0.5 | 42 | 232 | 106 | 7.33 | 10 | 0.14 | <10 |
| L174225 | | <0.5 | 6.91 | 19 | 110 | <0.5 | 5 | 4.15 | <0.5 | 32 | 66 | 97 | 6.81 | 10 | 0.24 | <10 |
| L174226 | | <0.5 | 7.26 | <5 | 180 | <0.5 | <2 | 6.04 | <0.5 | 46 | 205 | 107 | 8.55 | 10 | 0.42 | <10 |
| L174227 | | <0.5 | 6.94 | <5 | 90 | <0.5 | 5 | 5.11 | <0.5 | 30 | 20 | 110 | 8.36 | 20 | 0.21 | 10 |
| L174228 | | <0.5 | 7.49 | <5 | 20 | <0.5 | 5 | 8.55 | <0.5 | 48 | 173 | 83 | 8.94 | 20 | 0.04 | 10 |
| L174229 | | <0.5 | 7.15 | <5 | 290 | <0.5 | 3 | 4.44 | <0.5 | 36 | 25 | 166 | 8.83 | 20 | 1.20 | 10 |
| L174230 | | <0.5 | 7.42 | 25 | 40 | <0.5 | <2 | 3.00 | <0.5 | 36 | 72 | 96 | 7.81 | 20 | 0.03 | <10 |
| L174231 | | <0.5 | 8.03 | 43 | 20 | <0.5 | 2 | 6.63 | <0.5 | 45 | 226 | 83 | 8.17 | 20 | 0.03 | <10 |
| L174232 | | <0.5 | 7.93 | <5 | 70 | <0.5 | 2 | 6.68 | <0.5 | 55 | 140 | 118 | 8.46 | 20 | 0.30 | <10 |
| L174233 | | <0.5 | 4.93 | <5 | 20 | <0.5 | <2 | 5.62 | <0.5 | 82 | 522 | 124 | 10.65 | 10 | 0.01 | <10 |
| L174234 | | <0.5 | 9.30 | <5 | 50 | <0.5 | <2 | 8.74 | <0.5 | 51 | 115 | 150 | 8.24 | 20 | 0.20 | <10 |
| L174235 | | <0.5 | 8.61 | <5 | 100 | <0.5 | 2 | 8.09 | <0.5 | 57 | 150 | 146 | 8.94 | 20 | 0.32 | <10 |
| L174236 | | <0.5 | 7.05 | <5 | 20 | <0.5 | 5 | 8.89 | <0.5 | 52 | 29 | 100 | 10.30 | 20 | 0.04 | 10 |
| L174237 | | <0.5 | 7.62 | <5 | 60 | <0.5 | 3 | 7.51 | <0.5 | 51 | 134 | 136 | 10.30 | 20 | 0.13 | 10 |
| L174238 | | <0.5 | 4.77 | <5 | 5770 | 1.4 | <2 | 3.54 | <0.5 | 4 | 28 | 10 | 1.65 | 10 | 0.90 | 10 |
| L174239 | | <0.5 | 7.43 | 13 | 120 | 0.5 | 2 | 5.99 | <0.5 | 45 | 122 | 72 | 10.80 | 20 | 0.37 | 10 |
| L174240 | | <0.5 | 7.60 | <5 | 1410 | 2.5 | <2 | 1.72 | <0.5 | 6 | 26 | 4 | 1.88 | 30 | 2.39 | 20 |
| L174241 | | <0.5 | 7.48 | <5 | 2870 | 2.4 | <2 | 2.40 | <0.5 | 10 | 52 | 20 | 2.94 | 20 | 2.04 | 20 |

***** 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: 22-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L174202 | | 3.33 | 2060 | <1 | 1.62 | 34 | 620 | 2 | 0.34 | 5 | 49 | 174 | <20 | 1.05 | <10 | <10 |
| L174203 | | 4.61 | 1365 | <1 | 1.60 | 106 | 200 | 5 | 0.08 | <5 | 40 | 501 | <20 | 0.47 | <10 | <10 |
| L174204 | | 2.21 | 1980 | <1 | 1.22 | 51 | 1540 | 3 | 0.14 | <5 | 52 | 236 | <20 | 1.52 | <10 | <10 |
| L174205 | | 5.28 | 1205 | <1 | 0.90 | 233 | 230 | <2 | 0.11 | <5 | 29 | 222 | <20 | 0.49 | <10 | <10 |
| L174206 | | 5.12 | 1455 | <1 | 1.58 | 149 | 280 | <2 | 0.02 | <5 | 41 | 156 | <20 | 0.70 | <10 | <10 |
| L174207 | | 7.68 | 1465 | <1 | 1.03 | 355 | 260 | 2 | 0.07 | <5 | 33 | 109 | <20 | 0.56 | <10 | <10 |
| L174208 | | 0.16 | 537 | <1 | 4.82 | 13 | 580 | 26 | 0.06 | <5 | 5 | 490 | <20 | 0.11 | <10 | <10 |
| L174209 | | 0.58 | 443 | <1 | 3.99 | 20 | 700 | 23 | 0.11 | <5 | 6 | 1060 | <20 | 0.14 | <10 | <10 |
| L174210 | | 2.64 | 1210 | <1 | 3.25 | 111 | 590 | 6 | 0.09 | <5 | 42 | 351 | <20 | 0.83 | <10 | <10 |
| L174211 | | 2.24 | 1300 | <1 | 2.95 | 31 | 610 | 5 | 0.13 | <5 | 40 | 584 | <20 | 0.88 | <10 | <10 |
| L174212 | | 2.33 | 2200 | <1 | 1.27 | 46 | 1180 | 2 | 0.18 | 6 | 43 | 102 | <20 | 1.20 | <10 | <10 |
| L174213 | | 4.28 | 1420 | <1 | 1.36 | 125 | 270 | 2 | 0.06 | <5 | 37 | 197 | <20 | 0.65 | 10 | <10 |
| L174214 | | 3.18 | 1815 | 1 | 1.30 | 38 | 670 | <2 | 0.29 | <5 | 46 | 169 | <20 | 1.07 | <10 | <10 |
| L174215 | | 3.01 | 1670 | <1 | 2.52 | 42 | 710 | 2 | 0.17 | <5 | 46 | 139 | <20 | 1.08 | <10 | <10 |
| L174216 | | 3.35 | 1885 | <1 | 1.25 | 39 | 690 | 2 | 0.19 | <5 | 47 | 149 | <20 | 1.08 | <10 | <10 |
| L174217 | | 2.27 | 1835 | <1 | 2.46 | 179 | 280 | <2 | 0.12 | <5 | 42 | 106 | <20 | 0.66 | <10 | <10 |
| L174218 | | 3.34 | 1385 | <1 | 2.88 | 78 | 510 | 2 | 0.02 | <5 | 21 | 180 | <20 | 0.52 | <10 | <10 |
| L174219 | | 4.27 | 1470 | <1 | 0.36 | 101 | 210 | <2 | 0.01 | <5 | 44 | 69 | <20 | 0.37 | <10 | <10 |
| L174220 | | 4.11 | 1465 | <1 | 1.50 | 97 | 330 | 2 | 0.06 | <5 | 40 | 209 | <20 | 0.64 | <10 | <10 |
| L174221 | | 3.46 | 1600 | <1 | 1.56 | 103 | 340 | 3 | 0.02 | 6 | 41 | 224 | <20 | 0.68 | <10 | <10 |
| L174222 | | 3.75 | 1400 | <1 | 0.32 | 107 | 300 | 2 | 0.05 | 10 | 44 | 262 | <20 | 0.66 | <10 | <10 |
| L174223 | | 2.14 | 1335 | <1 | 2.30 | 34 | 440 | <2 | 0.08 | <5 | 40 | 224 | <20 | 0.83 | <10 | <10 |
| L174224 | | 4.71 | 1480 | <1 | 2.47 | 100 | 200 | 5 | 0.05 | <5 | 37 | 251 | <20 | 0.46 | <10 | <10 |
| L174225 | | 2.56 | 1410 | <1 | 2.29 | 37 | 340 | 2 | 0.03 | <5 | 41 | 99 | <20 | 0.66 | <10 | <10 |
| L174226 | | 4.10 | 1830 | <1 | 1.76 | 98 | 310 | <2 | 0.01 | <5 | 39 | 112 | <20 | 0.61 | <10 | <10 |
| L174227 | | 2.84 | 1310 | <1 | 2.43 | 27 | 410 | <2 | 0.08 | <5 | 39 | 135 | <20 | 0.80 | <10 | <10 |
| L174228 | | 3.69 | 1510 | 1 | 1.87 | 122 | 470 | 8 | 0.06 | <5 | 40 | 222 | <20 | 0.80 | 10 | <10 |
| L174229 | | 3.59 | 1260 | 1 | 1.51 | 31 | 410 | <2 | 0.02 | <5 | 40 | 135 | <20 | 0.86 | 10 | <10 |
| L174230 | | 4.04 | 1170 | 1 | 2.93 | 44 | 330 | 2 | 0.17 | <5 | 42 | 101 | <20 | 0.70 | <10 | <10 |
| L174231 | | 4.85 | 1600 | <1 | 1.68 | 107 | 220 | 5 | 0.04 | <5 | 41 | 199 | <20 | 0.48 | <10 | <10 |
| L174232 | | 5.40 | 1360 | <1 | 1.70 | 185 | 290 | <2 | 0.04 | <5 | 35 | 122 | <20 | 0.61 | <10 | <10 |
| L174233 | | 9.10 | 1680 | <1 | 0.31 | 260 | 170 | 5 | 0.10 | <5 | 39 | 13 | <20 | 0.39 | <10 | <10 |
| L174234 | | 4.06 | 1295 | <1 | 1.37 | 115 | 260 | <2 | 0.11 | <5 | 36 | 182 | <20 | 0.65 | <10 | <10 |
| L174235 | | 4.98 | 1490 | <1 | 1.24 | 152 | 300 | <2 | 0.06 | 5 | 42 | 149 | <20 | 0.73 | <10 | <10 |
| L174236 | | 2.01 | 2240 | <1 | 0.73 | 55 | 1510 | 4 | 0.20 | <5 | 51 | 264 | <20 | 1.48 | 10 | <10 |
| L174237 | | 2.64 | 1545 | <1 | 2.21 | 84 | 880 | 7 | 0.62 | <5 | 46 | 360 | <20 | 1.25 | <10 | <10 |
| L174238 | | 0.50 | 533 | <1 | 2.47 | 8 | 410 | 6 | 0.21 | <5 | 4 | 408 | <20 | 0.10 | <10 | <10 |
| L174239 | | 2.62 | 1380 | <1 | 2.29 | 81 | 830 | 7 | 0.21 | 10 | 46 | 414 | <20 | 1.27 | <10 | <10 |
| L174240 | | 0.40 | 290 | <1 | 3.50 | 11 | 590 | 5 | 0.15 | <5 | 5 | 944 | <20 | 0.17 | <10 | <10 |
| L174241 | | 0.95 | 450 | <1 | 3.51 | 27 | 620 | 5 | 0.19 | 5 | 9 | 883 | <20 | 0.24 | <10 | <10 |

***** 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: 22-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
|---|---|---|---|---|
| L174202 | | 432 | <10 | 116 |
| L174203 | | 270 | <10 | 83 |
| L174204 | | 517 | <10 | 110 |
| L174205 | | 222 | <10 | 62 |
| L174206 | | 308 | <10 | 70 |
| L174207 | | 253 | <10 | 76 |
| L174208 | | 41 | <10 | 67 |
| L174209 | | 51 | <10 | 94 |
| L174210 | | 380 | <10 | 98 |
| L174211 | | 416 | <10 | 75 |
| L174212 | | 434 | <10 | 120 |
| L174213 | | 286 | <10 | 61 |
| L174214 | | 476 | <10 | 104 |
| L174215 | | 485 | <10 | 97 |
| L174216 | | 488 | <10 | 112 |
| L174217 | | 315 | <10 | 66 |
| L174218 | | 209 | <10 | 84 |
| L174219 | | 306 | <10 | 92 |
| L174220 | | 315 | <10 | 79 |
| L174221 | | 343 | <10 | 94 |
| L174222 | | 356 | <10 | 74 |
| L174223 | | 393 | <10 | 86 |
| L174224 | | 266 | <10 | 89 |
| L174225 | | 363 | <10 | 63 |
| L174226 | | 310 | <10 | 76 |
| L174227 | | 428 | <10 | 92 |
| L174228 | | 356 | <10 | 93 |
| L174229 | | 425 | <10 | 79 |
| L174230 | | 379 | <10 | 99 |
| L174231 | | 275 | <10 | 106 |
| L174232 | | 269 | <10 | 70 |
| L174233 | | 217 | <10 | 97 |
| L174234 | | 287 | <10 | 67 |
| L174235 | | 325 | <10 | 76 |
| L174236 | | 498 | <10 | 133 |
| L174237 | | 464 | <10 | 105 |
| L174238 | | 26 | <10 | 39 |
| L174239 | | 467 | 10 | 90 |
| L174240 | | 37 | <10 | 35 |
| L174241 | | 67 | <10 | 56 |

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**Finalized Date: 22-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
| L174242 | | <0.5 | 7.03 | <5 | 1240 | 3.2 | <2 | 3.93 | <0.5 | 21 | 107 | 132 | 6.49 | 20 | 3.54 | 10 |
| L174243 | | <0.5 | 7.31 | <5 | 2890 | 2.0 | <2 | 1.42 | <0.5 | 5 | 25 | 8 | 1.96 | 20 | 2.99 | 20 |
| L174244 | | <0.5 | 7.13 | <5 | 50 | <0.5 | 2 | 6.48 | <0.5 | 47 | 188 | 121 | 8.93 | 20 | 0.24 | 10 |
| L174245 | | <0.5 | 7.65 | <5 | 240 | <0.5 | <2 | 6.24 | <0.5 | 49 | 294 | 112 | 9.61 | 20 | 0.51 | <10 |
| L174246 | | <0.5 | 7.00 | 9 | 120 | 0.6 | 3 | 5.71 | <0.5 | 50 | 138 | 128 | 11.10 | 20 | 0.23 | 10 |
| L174247 | | <0.5 | 7.59 | 6 | 170 | 0.5 | 4 | 8.13 | <0.5 | 49 | 143 | 125 | 11.10 | 20 | 0.46 | 10 |
| L174351 | | <0.5 | 8.24 | <5 | 1140 | 0.8 | <2 | 5.23 | <0.5 | 29 | 172 | 34 | 6.05 | 20 | 1.58 | 20 |
| L174352 | | <0.5 | 4.09 | <5 | 420 | <0.5 | <2 | 6.40 | <0.5 | 60 | 1520 | 28 | 6.65 | 10 | 0.16 | <10 |
| L174353 | | <0.5 | 7.56 | <5 | 200 | <0.5 | 2 | 5.31 | <0.5 | 38 | 136 | 27 | 7.25 | 20 | 0.85 | 10 |
| L174354 | | <0.5 | 8.70 | <5 | 30 | <0.5 | 4 | 10.25 | <0.5 | 48 | 255 | 79 | 7.38 | 20 | 0.14 | 10 |
| L174355 | | <0.5 | 8.36 | <5 | 250 | <0.5 | <2 | 4.25 | <0.5 | 52 | 94 | 68 | 5.62 | 20 | 1.45 | 10 |
| L174356 | | <0.5 | 3.91 | <5 | 130 | <0.5 | <2 | 8.82 | <0.5 | 66 | 740 | 44 | 9.35 | 10 | 0.25 | 10 |
| L174357 | | <0.5 | 1.95 | <5 | 40 | <0.5 | <2 | 10.65 | <0.5 | 73 | 1820 | 46 | 7.83 | 10 | 0.19 | <10 |
| L174358 | | <0.5 | 7.01 | <5 | 960 | 2.7 | <2 | 3.01 | <0.5 | 17 | 182 | 30 | 3.89 | 20 | 0.51 | 30 |
| L174359 | | <0.5 | 8.21 | 10 | 100 | <0.5 | <2 | 7.68 | <0.5 | 41 | 205 | 66 | 7.11 | 20 | 0.21 | 10 |
| L174360 | | <0.5 | 8.21 | <5 | 1680 | 1.9 | 3 | 4.76 | <0.5 | 23 | 81 | 51 | 3.61 | 20 | 2.33 | 30 |

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

ALS Canada Ltd.

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


**Finalized Date: 22-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
| L174242 | | 1.25 | 1080 | <1 | 0.07 | 36 | 320 | 9 | 0.03 | 5 | 38 | 143 | <20 | 0.41 | 10 | <10 |
| L174243 | | 0.44 | 412 | <1 | 3.70 | 8 | 570 | 10 | 0.09 | <5 | 4 | 806 | <20 | 0.08 | <10 | <10 |
| L174244 | | 4.34 | 1445 | <1 | 1.83 | 94 | 400 | <2 | 0.09 | <5 | 39 | 133 | <20 | 0.72 | <10 | <10 |
| L174245 | | 4.54 | 1515 | <1 | 1.73 | 108 | 490 | 5 | 0.12 | <5 | 42 | 383 | <20 | 0.80 | 10 | <10 |
| L174246 | | 4.16 | 1620 | <1 | 2.45 | 67 | 610 | 10 | 0.08 | <5 | 48 | 558 | <20 | 1.03 | 10 | <10 |
| L174247 | | 3.52 | 1685 | 19 | 1.69 | 86 | 890 | 5 | 0.31 | <5 | 46 | 198 | <20 | 1.27 | 10 | <10 |
| L174351 | | 3.66 | 1095 | <1 | 2.97 | 68 | 1060 | 8 | 0.01 | <5 | 19 | 941 | <20 | 0.42 | <10 | <10 |
| L174352 | | 8.26 | 1305 | 1 | 0.59 | 239 | 160 | <2 | 0.03 | <5 | 34 | 152 | <20 | 0.11 | 10 | <10 |
| L174353 | | 4.03 | 925 | <1 | 1.76 | 56 | 330 | 7 | 0.04 | <5 | 32 | 299 | <20 | 0.44 | <10 | <10 |
| L174354 | | 3.01 | 1160 | <1 | 0.83 | 72 | 390 | 2 | 0.15 | <5 | 46 | 225 | <20 | 0.51 | 10 | <10 |
| L174355 | | 3.03 | 852 | <1 | 2.76 | 96 | 520 | 3 | 0.20 | <5 | 52 | 121 | <20 | 0.88 | <10 | <10 |
| L174356 | | 7.63 | 1855 | <1 | 1.42 | 253 | 280 | 4 | 0.01 | <5 | 47 | 178 | <20 | 0.53 | 10 | <10 |
| L174357 | | 11.00 | 1470 | 1 | 0.39 | 431 | 120 | 3 | 0.08 | 7 | 51 | 40 | <20 | 0.28 | 10 | <10 |
| L174358 | | 3.02 | 807 | <1 | 4.98 | 64 | 1070 | 35 | 0.05 | <5 | 13 | 492 | <20 | 0.27 | <10 | <10 |
| L174359 | | 4.02 | 2000 | <1 | 2.43 | 72 | 420 | <2 | 0.15 | <5 | 44 | 243 | <20 | 0.53 | <10 | <10 |
| L174360 | | 1.51 | 605 | <1 | 5.17 | 40 | 1000 | 26 | 1.09 | <5 | 9 | 792 | <20 | 0.29 | <10 | <10 |

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

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**KIRKLAND LAKE ON P2N 3L1**


**Finalized Date: 22-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

| 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 |
|---|---|---|---|---|
| L174242 | | 307 | 30 | 158 |
| L174243 | | 35 | <10 | 47 |
| L174244 | | 338 | <10 | 87 |
| L174245 | | 364 | 10 | 128 |
| L174246 | | 460 | <10 | 152 |
| L174247 | | 462 | <10 | 123 |
| L174351 | | 184 | <10 | 102 |
| L174352 | | 161 | 10 | 103 |
| L174353 | | 220 | 10 | 89 |
| L174354 | | 285 | 10 | 53 |
| L174355 | | 386 | <10 | 119 |
| L174356 | | 243 | <10 | 110 |
| L174357 | | 183 | <10 | 91 |
| L174358 | | 105 | <10 | 97 |
| L174359 | | 265 | <10 | 93 |
| L174360 | | 89 | <10 | 39 |

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

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To: **OSISKO MINING LTD.**
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**Finalized Date: 22-MAR-2014**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD14042659

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

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

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