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.**
**1100, AV. DES CANADIENS-DE-MONTRÉAL**
**SUITE 300, P.O. BOX 211**
**MONTRÉAL QC H3B 2S2**


**Finalized Date: 8-NOV-2013**
**Account: OSIKLI**

# CERTIFICATE SD13196270

Project: KL_LITHO

P.O. No.:

This report is for 242 Rock samples submitted to our lab in Sudbury, ON, Canada on 31-OCT-2013.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MIKE FELL<br>ANDREW STOKES | CAROLINE HAWSON | FRANK PLOEGER |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize split to 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA23 | Au 30g FA-AA finish | AAS |

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:** Nacera Amara

Nacera Amara, Laboratory Manager, Val d'Or

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# CERTIFICATE OF ANALYSIS SD13196270

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg<br>0.02 | Au-AA23<br>Au<br>g/t<br>0.005 |
|---|---|---|---|
| N459470 | | 1.31 | 0.013 |
| N459471 | | 1.73 | 0.006 |
| N459472 | | 1.29 | 0.016 |
| N459473 | | 1.53 | 0.006 |
| N459474 | | 1.13 | 0.005 |
| N459475 | | 1.04 | <0.005 |
| N459476 | | 1.11 | 0.011 |
| N459477 | | 1.29 | 0.005 |
| N459478 | | 1.22 | 0.008 |
| N459479 | | 1.63 | <0.005 |
| N459480 | | 1.51 | <0.005 |
| N459481 | | 1.29 | <0.005 |
| N459482 | | 1.31 | 0.015 |
| N459483 | | 1.57 | 0.009 |
| N459484 | | 1.16 | <0.005 |
| N459485 | | 1.11 | 0.006 |
| N459486 | | 1.09 | 0.008 |
| N459487 | | 1.16 | <0.005 |
| N459488 | | 1.15 | <0.005 |
| N459489 | | 1.27 | <0.005 |
| N459490 | | 1.04 | 0.008 |
| N459491 | | 1.22 | <0.005 |
| N459492 | | 1.11 | <0.005 |
| N459493 | | 1.05 | 0.009 |
| N459494 | | 1.10 | <0.005 |
| N459495 | | 1.27 | 0.005 |
| N459496 | | 1.37 | 0.014 |
| N459497 | | 1.10 | 0.012 |
| N459498 | | 1.25 | <0.005 |
| N459499 | | 0.06 | 0.197 |
| N459500 | | 1.09 | <0.005 |
| M565051 | | 1.07 | 0.009 |
| M565052 | | 1.30 | 0.006 |
| M565053 | | 1.20 | 0.037 |
| M565054 | | 1.31 | 0.005 |
| M565055 | | 1.23 | 0.009 |
| M565056 | | 1.52 | 0.010 |
| M565057 | | 1.73 | 0.011 |
| N443912 | | 0.75 | <0.005 |
| N443913 | | 0.77 | <0.005 |

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# CERTIFICATE OF ANALYSIS SD13196270

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg<br>0.02 | Au-AA23<br>Au<br>g/t<br>0.005 |
|---|---|---|---|
| N443914 | | 0.79 | <0.005 |
| N443915 | | 0.80 | 0.005 |
| N443916 | | 0.88 | <0.005 |
| N443917 | | 1.11 | <0.005 |
| N443918 | | 0.88 | 0.010 |
| N443919 | | 0.78 | 0.005 |
| N443920 | | 0.76 | 0.014 |
| N443921 | | 0.85 | <0.005 |
| N443922 | | 1.04 | 0.006 |
| N443923 | | 0.98 | <0.005 |
| N443924 | | 1.15 | <0.005 |
| N443925 | | 0.92 | 0.010 |
| N443926 | | 1.01 | <0.005 |
| N443927 | | 0.95 | 0.006 |
| N443928 | | 0.93 | 0.011 |
| N443929 | | 0.79 | <0.005 |
| N443930 | | 0.98 | 0.007 |
| I277585 | | 0.94 | 0.005 |
| I277586 | | 0.90 | <0.005 |
| I277587 | | 0.87 | 0.005 |
| I277588 | | 0.88 | 0.005 |
| I277589 | | 1.08 | 0.006 |
| I277590 | | 0.88 | 0.005 |
| I277591 | | 0.84 | <0.005 |
| I277592 | | 0.71 | <0.005 |
| I277593 | | 0.79 | 0.073 |
| I277594 | | 0.91 | 0.005 |
| I277595 | | 0.73 | <0.005 |
| I277596 | | 0.84 | 0.007 |
| I277597 | | 0.88 | <0.005 |
| I277598 | | 0.89 | 0.006 |
| I277599 | | 0.06 | 0.193 |
| I277600 | | 3.47 | 0.007 |
| N451939 | | 0.93 | 0.005 |
| N451940 | | 1.02 | 0.030 |
| N451941 | | 0.89 | 0.011 |
| N451942 | | 0.87 | 0.039 |
| N451943 | | 0.96 | 0.007 |
| N451944 | | 0.97 | 0.012 |
| N451945 | | 1.31 | 0.008 |

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**Finalized Date: 8-NOV-2013**
**Account: OSIKLI**

Project: KL_LITHO

# CERTIFICATE OF ANALYSIS SD13196270

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg<br>0.02 | Au-AA23<br>Au<br>g/t<br>0.005 |
|---|---|---|---|
| N451946 | | 0.89 | 0.012 |
| N451947 | | 0.98 | 0.005 |
| N451948 | | 1.26 | 0.007 |
| N451949 | | 0.84 | 0.007 |
| N451950 | | 0.91 | 0.007 |
| N451951 | | 0.92 | 0.007 |
| N451952 | | 1.01 | 0.016 |
| N451953 | | 1.33 | 0.007 |
| N451954 | | 0.85 | 0.019 |
| N451955 | | 0.85 | 0.026 |
| N451956 | | 0.78 | 0.012 |
| N451957 | | 0.97 | 0.024 |
| N451958 | | 0.73 | 0.009 |
| N451959 | | 0.89 | 0.008 |
| N451960 | | 0.90 | 0.007 |
| N451961 | | 0.94 | 0.011 |
| N451962 | | 1.00 | <0.005 |
| N451963 | | 0.66 | 0.005 |
| N451964 | | 0.78 | 0.008 |
| N451965 | | 0.86 | <0.005 |
| N451966 | | 0.06 | 0.915 |
| N451967 | | 0.70 | 0.005 |
| N451968 | | 0.80 | 0.013 |
| N451969 | | 0.82 | <0.005 |
| N451970 | | 0.91 | 0.038 |
| N451971 | | 0.82 | <0.005 |
| N451972 | | 0.75 | 0.008 |
| N451973 | | 0.71 | 0.006 |
| N451974 | | 0.71 | 0.006 |
| N451975 | | 0.94 | 0.009 |
| N451976 | | 0.83 | 0.009 |
| N451977 | | 0.73 | 0.019 |
| N451978 | | 0.77 | <0.005 |
| N451979 | | 0.87 | 0.008 |
| N451980 | | 0.80 | 0.018 |
| N451981 | | 0.80 | 0.017 |
| N451982 | | 0.98 | 0.011 |
| N451983 | | 0.84 | 0.008 |
| N451984 | | 0.94 | 0.067 |
| N451985 | | 0.81 | 0.028 |

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|---|---|---|---|
| N451986 | | 0.72 | 0.006 |
| N451987 | | 0.93 | <0.005 |
| L767567 | | 0.83 | 0.005 |
| L767568 | | 0.82 | 0.010 |
| L767569 | | 1.64 | 0.008 |
| L767570 | | 0.79 | 0.007 |
| L767571 | | 0.91 | <0.005 |
| L767572 | | 1.12 | 0.005 |
| L767573 | | 0.98 | 0.005 |
| L767574 | | 1.05 | 0.008 |
| L767575 | | 0.97 | 0.008 |
| L767576 | | 1.10 | 0.005 |
| L767577 | | 0.86 | 0.010 |
| L767578 | | 0.73 | <0.005 |
| N433895 | | 0.99 | <0.005 |
| N433896 | | 0.89 | 0.017 |
| N433897 | | 1.02 | <0.005 |
| N433898 | | 0.94 | 0.027 |
| N433899 | | 0.06 | 0.198 |
| N433900 | | 1.13 | 0.006 |
| N433901 | | 1.35 | 0.018 |
| N433902 | | 1.17 | <0.005 |
| N433903 | | 1.15 | <0.005 |
| N433904 | | 0.78 | <0.005 |
| N433905 | | 1.08 | <0.005 |
| N433906 | | 1.27 | <0.005 |
| N433907 | | 0.85 | 0.005 |
| N433908 | | 0.98 | 0.011 |
| N433909 | | 1.49 | 0.007 |
| N433910 | | 1.20 | 0.006 |
| N433911 | | 1.22 | 0.006 |
| N433912 | | 1.11 | <0.005 |
| N433913 | | 0.91 | <0.005 |
| N433914 | | 1.17 | <0.005 |
| N433915 | | 1.12 | 0.006 |
| N433916 | | 1.30 | 0.005 |
| N433917 | | 1.18 | <0.005 |
| N433918 | | 1.09 | <0.005 |
| N433919 | | 0.89 | 0.011 |
| N433920 | | 1.13 | <0.005 |

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| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg<br>0.02 | Au-AA23<br>Au<br>g/t<br>0.005 |
|---|---|---|---|
| N433921 | | 1.24 | <0.005 |
| N433922 | | 0.89 | <0.005 |
| N433923 | | 1.30 | <0.005 |
| N433924 | | 0.97 | <0.005 |
| N433925 | | 1.18 | <0.005 |
| N433926 | | 1.34 | <0.005 |
| N433927 | | 1.05 | <0.005 |
| N433928 | | 1.09 | <0.005 |
| N433929 | | 1.06 | 0.097 |
| N433930 | | 1.03 | <0.005 |
| N433931 | | 0.95 | 0.009 |
| N433932 | | 0.90 | <0.005 |
| N433933 | | 0.07 | 0.928 |
| N433934 | | 1.08 | <0.005 |
| N433935 | | 1.26 | 0.016 |
| N433936 | | 1.25 | <0.005 |
| N433937 | | 1.19 | <0.005 |
| N433938 | | 1.02 | 0.005 |
| N433939 | | 1.30 | 0.009 |
| N433940 | | 1.11 | 0.005 |
| N433941 | | 1.01 | <0.005 |
| N433942 | | 0.74 | 0.011 |
| N433943 | | 0.87 | <0.005 |
| N433944 | | 1.24 | <0.005 |
| N433945 | | 0.77 | <0.005 |
| N433946 | | 0.97 | 0.058 |
| N433947 | | 1.05 | <0.005 |
| N433948 | | 0.87 | <0.005 |
| N433949 | | 1.84 | <0.005 |
| N433950 | | 0.99 | 0.009 |
| N433951 | | 0.97 | 0.010 |
| N433952 | | 1.16 | <0.005 |
| N433953 | | 1.09 | <0.005 |
| N433954 | | 1.31 | 0.009 |
| N433955 | | 1.68 | 0.005 |
| N433956 | | 1.12 | 0.026 |
| N433957 | | 1.10 | 0.007 |
| N433958 | | 1.07 | 0.006 |
| N433959 | | 1.01 | 0.007 |
| N433960 | | 0.91 | <0.005 |

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|---|---|---|---|
| N433961 | | 1.15 | <0.005 |
| N433962 | | 1.47 | 0.067 |
| N433963 | | 1.09 | 0.008 |
| N433964 | | 1.14 | 0.014 |
| N440874 | | 1.00 | <0.005 |
| N440875 | | 0.81 | 0.005 |
| N440876 | | 1.34 | <0.005 |
| N440877 | | 1.33 | <0.005 |
| N440878 | | 1.11 | <0.005 |
| N440879 | | 1.15 | 0.012 |
| N440880 | | 1.16 | <0.005 |
| N440881 | | 1.05 | 0.005 |
| N440882 | | 1.13 | 0.038 |
| N440883 | | 1.14 | <0.005 |
| N440884 | | 0.99 | 0.005 |
| N440885 | | 1.18 | 0.008 |
| N440886 | | 1.43 | <0.005 |
| N440887 | | 1.09 | <0.005 |
| N440888 | | 1.51 | <0.005 |
| N440889 | | 1.44 | <0.005 |
| N440890 | | 1.62 | 0.005 |
| N440891 | | 1.20 | 0.019 |
| N440892 | | 1.22 | 0.009 |
| N440893 | | 1.05 | <0.005 |
| N440894 | | 1.06 | 0.007 |
| N440895 | | 1.17 | <0.005 |
| N440896 | | 1.12 | <0.005 |
| N440897 | | 1.41 | 0.006 |
| N440898 | | 1.71 | <0.005 |
| N440899 | | 0.06 | 0.915 |
| N440900 | | 1.43 | <0.005 |
| N440901 | | 1.10 | 0.045 |
| N440902 | | 1.18 | 0.012 |
| N440903 | | 1.52 | 0.011 |
| N440904 | | 1.26 | 0.015 |
| N440905 | | 1.13 | 0.005 |
| N440906 | | 1.39 | 0.006 |
| N440907 | | 1.07 | <0.005 |
| N440908 | | 1.11 | 0.009 |
| N440909 | | 0.97 | <0.005 |

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|---|---|---|---|
| N440910 | | 1.48 | <0.005 |
| N440911 | | 1.22 | 0.006 |

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# CERTIFICATE OF ANALYSIS SD13196270

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-22 | LOG-23 |
| PUL-31 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Val d'Or located at 1324 Rue Turcotte, Val d'Or, QC, Canada.

Applies to Method:

Au-AA23