ALS Canada Ltd.

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 15-JAN-2015**
**Account: MZI**

# CERTIFICATE TB15005478

Project: WO85768

P.O. No.: 00149179

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 12-JAN-2015.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| CAM MCLEAN<br>LDIM EXPLORATION WEBTRIEVE | KRISTA NELSON | ANDREA PEREGO |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| CRU-32 | Fine Crushing 90% <2mm |
| PUL-35y | Pulv 500 g Split to 95%<106 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| SPL-21 | Split sample - riffle splitter |
| LOG-22 | Sample login - Rcd w/o BarCode |
| SPL-34 | Pulp Splitting Charge |
| LOG-23 | Pulp Login - Rcvd with Barcode |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| ME-ICP61 | 33 element four acid ICP-AES | ICP-AES |

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**ATTN: KRISTA NELSON**
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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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# CERTIFICATE OF ANALYSIS TB15005478

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 |
|---|---|---|---|---|---|---|---|---|---|---|
| R430363 | | 1.29 | <1 | 3 | <5 | 12 | 3 | <1 | 12.90 | <0.5 |
| R430364 | | 0.09 | 482 | 1860 | 409 | 105 | 206 | 22 | 2.33 | <0.5 |
| R430365 | | 2.32 | 2 | 33 | <5 | 49 | 253 | 71 | 4.43 | <0.5 |
| R430366 | | 2.41 | 1 | 31 | <5 | 39 | 243 | 71 | 4.61 | <0.5 |
| R430367 | | 2.37 | <1 | 33 | <5 | 29 | 224 | 65 | 4.34 | <0.5 |
| R430368 | | 2.32 | <1 | 27 | <5 | 38 | 230 | 67 | 4.56 | <0.5 |
| R430369 | | 3.21 | 1 | 30 | 5 | 33 | 191 | 58 | 3.81 | <0.5 |
| R430370 | | 1.54 | <1 | 28 | <5 | 33 | 221 | 67 | 4.34 | <0.5 |
| R430371 | | 2.38 | <1 | 32 | <5 | 41 | 242 | 72 | 4.65 | <0.5 |
| R430372 | | 2.46 | 1 | 31 | <5 | 45 | 304 | 82 | 4.55 | <0.5 |
| R430373 | | 2.48 | <1 | 24 | <5 | 26 | 285 | 79 | 4.17 | <0.5 |
| R430374 | | 2.35 | <1 | 21 | <5 | 31 | 298 | 81 | 4.47 | <0.5 |
| R430375 | | 2.45 | <1 | 22 | <5 | 29 | 300 | 81 | 4.50 | <0.5 |
| R430376 | | 2.40 | 2 | 28 | <5 | 37 | 311 | 80 | 4.41 | <0.5 |
| R430377 | | 2.59 | 1 | 23 | <5 | 33 | 309 | 84 | 4.18 | <0.5 |
| R430378 | | 2.45 | 1 | 30 | <5 | 46 | 292 | 76 | 4.48 | <0.5 |
| R430379 | | 2.46 | <1 | 20 | <5 | 19 | 349 | 87 | 5.38 | <0.5 |
| R430380 | | 1.49 | <1 | 22 | <5 | 14 | 384 | 97 | 6.16 | <0.5 |
| R430381 | | 1.68 | <1 | 22 | <5 | 16 | 397 | 98 | 6.08 | <0.5 |
| R430382 | | 1.61 | <1 | 23 | <5 | 10 | 325 | 89 | 6.90 | <0.5 |
| R430383 | | 0.09 | 785 | 4970 | 1140 | 190 | 529 | 38 | 4.23 | <0.5 |
| R430384 | | 2.30 | 1 | 21 | <5 | 23 | 339 | 94 | 7.69 | <0.5 |
| R430385 | | 2.23 | 1 | 38 | <5 | 35 | 308 | 95 | 7.43 | <0.5 |
| R430386 | | 3.00 | 1 | 41 | <5 | 35 | 269 | 85 | 6.38 | <0.5 |
| R430387 | | 1.80 | 2 | 44 | <5 | 27 | 301 | 94 | 7.02 | <0.5 |
| R430388 | | 2.51 | 1 | 35 | <5 | 12 | 229 | 71 | 4.42 | <0.5 |
| R430389 | | 2.30 | 1 | 11 | <5 | 25 | 233 | 75 | 3.88 | <0.5 |
| R430390 | | 2.24 | <1 | 10 | <5 | 17 | 252 | 80 | 4.02 | <0.5 |
| R430391 | | 2.22 | <1 | 15 | <5 | 6 | 279 | 83 | 4.08 | <0.5 |
| R430392 | | 2.39 | 17 | 31 | 9 | 23 | 364 | 101 | 3.66 | <0.5 |
| R430393 | | 2.38 | <1 | 20 | <5 | 22 | 282 | 87 | 3.30 | <0.5 |
| R430394 | | 2.42 | 2 | 7 | <5 | 43 | 189 | 67 | 3.47 | <0.5 |
| R430395 | | 2.48 | 10 | 26 | 5 | 127 | 117 | 42 | 3.09 | <0.5 |
| R430396 | | 2.49 | 5 | 8 | <5 | 80 | 194 | 68 | 3.67 | <0.5 |
| R430397 | | 2.55 | 2 | 15 | 5 | 35 | 220 | 78 | 4.03 | <0.5 |
| R430398 | | 2.56 | <1 | 8 | <5 | 27 | 288 | 93 | 3.33 | <0.5 |
| R430399 | | 2.78 | 1 | 10 | <5 | 30 | 277 | 92 | 3.39 | <0.5 |
| R430400 | | 1.47 | 4 | 12 | <5 | 74 | 210 | 74 | 3.40 | <0.5 |
| R430401 | | 1.37 | 4 | 14 | <5 | 77 | 206 | 72 | 3.40 | <0.5 |
| R430402 | | 1.09 | 6 | 27 | <5 | 109 | 99 | 41 | 2.74 | <0.5 |

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**Finalized Date: 15-JAN-2015**
**Account: MZI**

Project: WO85768

# CERTIFICATE OF ANALYSIS TB15005478

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 |
|---|---|---|---|---|---|---|---|---|---|---|
| R430403 | | 1.18 | <1 | <1 | <5 | 1 | 2 | <1 | 12.80 | <0.5 |
| R430404 | | 3.17 | <1 | 77 | 8 | 225 | 243 | 73 | 6.84 | <0.5 |
| R430405 | | 3.37 | 21 | 43 | 11 | 222 | 268 | 81 | 7.13 | <0.5 |
| R430406 | | 1.67 | <1 | 30 | <5 | 7 | 280 | 71 | 3.58 | <0.5 |
| R430407 | | 2.48 | <1 | 39 | <5 | 6 | 278 | 78 | 3.48 | <0.5 |
| R430408 | | 2.60 | <1 | 32 | <5 | 4 | 278 | 74 | 3.44 | <0.5 |
| R430409 | | 2.40 | 1 | 10 | <5 | 14 | 232 | 70 | 3.95 | <0.5 |
| R430410 | | 2.44 | 1 | 13 | <5 | 38 | 223 | 69 | 4.20 | <0.5 |
| R430411 | | 2.50 | <1 | 35 | <5 | 48 | 308 | 89 | 6.38 | <0.5 |
| R430412 | | 2.15 | <1 | 37 | <5 | 31 | 330 | 93 | 6.68 | <0.5 |
| R430413 | | 2.80 | <1 | 119 | 18 | 34 | 350 | 97 | 7.13 | <0.5 |
| R430414 | | 2.33 | <1 | 117 | 29 | 41 | 358 | 98 | 7.50 | <0.5 |
| R430415 | | 2.59 | <1 | 53 | 20 | 43 | 345 | 96 | 7.32 | <0.5 |
| R430416 | | 2.87 | <1 | 36 | 18 | 31 | 344 | 98 | 7.41 | <0.5 |
| R430417 | | 2.32 | <1 | 24 | 17 | 36 | 345 | 96 | 7.50 | <0.5 |
| R430418 | | 2.52 | 1 | 15 | 9 | 37 | 309 | 87 | 6.94 | <0.5 |
| R430419 | | 2.54 | <1 | 18 | <5 | 25 | 349 | 96 | 7.74 | <0.5 |
| R430420 | | 2.62 | 1 | 12 | <5 | 16 | 352 | 96 | 7.61 | <0.5 |
| R430421 | | 1.15 | <1 | 9 | <5 | 14 | 352 | 98 | 7.99 | <0.5 |
| R430422 | | 1.21 | <1 | 10 | <5 | 15 | 341 | 94 | 7.71 | <0.5 |
| R430423 | | 0.09 | 467 | 1865 | 422 | 103 | 207 | 22 | 2.34 | <0.5 |
| R430424 | | 2.48 | <1 | 9 | <5 | 12 | 288 | 81 | 6.54 | <0.5 |
| R430425 | | 2.42 | <1 | 9 | <5 | 12 | 295 | 84 | 6.73 | <0.5 |
| R430426 | | 1.52 | <1 | 10 | <5 | 8 | 270 | 82 | 6.28 | <0.5 |
| R430427 | | 2.25 | 1 | 10 | <5 | 12 | 265 | 83 | 6.37 | <0.5 |
| R430428 | | 1.38 | <1 | 11 | <5 | 14 | 312 | 84 | 5.04 | <0.5 |
| R430429 | | 2.47 | <1 | 16 | <5 | 11 | 291 | 88 | 4.91 | <0.5 |
| R430430 | | 2.69 | 1 | 10 | <5 | 16 | 259 | 80 | 4.28 | <0.5 |
| R430431 | | 2.34 | 1 | 17 | <5 | 17 | 249 | 82 | 4.02 | <0.5 |
| R430432 | | 2.61 | <1 | 13 | <5 | 17 | 276 | 86 | 3.94 | <0.5 |
| R430433 | | 2.53 | 2 | 31 | 5 | 18 | 316 | 98 | 4.27 | <0.5 |
| R430434 | | 2.53 | 4 | 74 | 18 | 107 | 313 | 100 | 3.93 | <0.5 |
| R430435 | | 2.71 | 5 | 75 | 13 | 171 | 384 | 111 | 3.64 | <0.5 |
| R430436 | | 1.22 | 1 | 36 | <5 | 23 | 367 | 93 | 4.80 | <0.5 |
| R430437 | | 1.38 | <1 | 17 | <5 | 3 | 230 | 66 | 4.79 | <0.5 |
| R430438 | | 1.17 | <1 | 19 | <5 | 8 | 240 | 62 | 4.87 | <0.5 |
| R430439 | | 1.04 | <1 | 19 | <5 | 5 | 223 | 61 | 4.74 | <0.5 |
| R430440 | | 0.09 | 763 | 4980 | 1100 | 204 | 563 | 40 | 4.47 | <0.5 |

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# CERTIFICATE OF ANALYSIS TB15005478

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:

| | | | |
|---|---|---|---|
| CRU-32 | CRU-QC | LOG-22 | LOG-23 |
| PUL-35y | PUL-QC | SPL-21 | SPL-34 |
| WEI-21 | | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

| | |
|---|---|
| ME-ICP61 | PGM-ICP23 |