



Australian Laboratory Services Pty. Ltd.

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www.alsglobal.com/geochemistry

Page: 1  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 15-SEP-2017  
This copy reported on 26-SEP-2017  
Account: DAYJAC

## CERTIFICATE AD17177213

Project: Kirkimbie Diamond Project

This report is for 8 Rock samples submitted to our lab in Adelaide, SA, Australia on 21-AUG-2017.

The following have access to data associated with this certificate:

RUSS KNIGHT

TONY MARTIN

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LEV-01   | Waste Disposal Levy            |
| CRU-31   | Fine crushing - 70% <2mm       |
| PUL-31   | Pulverize split to 85% <75 um  |
| LOG-22   | Sample login - Rcd w/o BarCode |
| PUL-QC   | Pulverizing QC Test            |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                  | INSTRUMENT |
|----------|------------------------------|------------|
| Nb-XRF10 | Fusion XRF - Nb Ore Grade    | XRF        |
| ME-XRF10 | Fusion XRF - Ore Grade       | XRF        |
| OA-GRA06 | LOI for ME-XRF06             | WST-SIM    |
| ME-ICP61 | 33 element four acid ICP-AES | ICP-AES    |

To: DAYLIGHT JACK MINERALS  
ATTN: TONY MARTIN  
BOX 145  
RUSHWORTH VIC 3612

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 AD17177213**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI - 21<br>Recvd Wt.<br>kg | PUL - QC<br>Pass75um<br>% | ME - ICP61<br>Ag<br>ppm | ME - ICP61<br>Al<br>% | ME - ICP61<br>As<br>ppm | ME - ICP61<br>Ba<br>ppm | ME - ICP61<br>Be<br>ppm | ME - ICP61<br>Bi<br>ppm | ME - ICP61<br>Ca<br>% | ME - ICP61<br>Cd<br>ppm | ME - ICP61<br>Co<br>ppm | ME - ICP61<br>Cr<br>ppm | ME - ICP61<br>Cu<br>ppm | ME - ICP61<br>Fe<br>% | ME - ICP61<br>Ga<br>ppm |
|--------------------|-----------------------------------|-----------------------------|---------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-------------------------|
|                    |                                   | 0.02                        | 0.01                      | 0.5                     | 0.01                  | 5                       | 10                      | 0.5                     | 2                       | 0.01                  | 0.5                     | 1                       | 1                       | 1                       | 0.01                  | 10                      |
| MBCBE              |                                   | 0.08                        |                           | <0.5                    | 2.84                  | <5                      | 1900                    | <0.5                    | 6                       | 25.1                  | <0.5                    | 5                       | 51                      | 16                      | 3.59                  | 10                      |
| MBCE113            |                                   | 0.08                        |                           | <0.5                    | 2.12                  | <5                      | 70                      | <0.5                    | 4                       | 30.2                  | <0.5                    | 2                       | 13                      | 8                       | 1.22                  | 10                      |
| MBCE115            |                                   | 0.13                        | 85.0                      | <0.5                    | 0.76                  | <5                      | 360                     | <0.5                    | 2                       | 0.56                  | <0.5                    | <1                      | 46                      | 5                       | 0.74                  | <10                     |
| MBCE116            |                                   | 0.07                        |                           | <0.5                    | 0.86                  | <5                      | 420                     | <0.5                    | <2                      | 0.80                  | <0.5                    | <1                      | 40                      | 4                       | 0.72                  | <10                     |
| MBCE117            |                                   | 0.08                        |                           | <0.5                    | 4.83                  | <5                      | 70                      | <0.5                    | 9                       | 19.10                 | 0.5                     | 6                       | 96                      | 18                      | 7.19                  | 20                      |
| MBCE119            |                                   | 0.08                        |                           | <0.5                    | 0.19                  | <5                      | 110                     | <0.5                    | <2                      | 30.1                  | <0.5                    | <1                      | 6                       | 4                       | 0.19                  | <10                     |
| MBCE1110           |                                   | 0.08                        |                           | <0.5                    | 1.15                  | <5                      | 590                     | <0.5                    | <2                      | 0.83                  | <0.5                    | 2                       | 34                      | 5                       | 1.06                  | <10                     |
| MBCE1111           |                                   | 0.07                        |                           | <0.5                    | 1.75                  | <5                      | 220                     | <0.5                    | 4                       | 19.70                 | <0.5                    | 1                       | 21                      | 7                       | 1.25                  | <10                     |



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Page: 2 - B

Total # Pages: 2 (A - C)

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Project: Kirkimbie Diamond Project

**CERTIFICATE OF ANALYSIS AD17177213**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | 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 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                                   | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th       |
|                    |                                   | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       |
| MBCBE              |                                   | 0.21     | 10       | 1.14     | 563      | 1        | 0.01     | 8        | 140      | 10       | 0.06     | <5       | 10       | 111      | <20      |
| MBCE113            |                                   | 0.25     | 10       | 0.87     | 128      | <1       | 0.01     | 8        | 50       | 7        | <0.01    | <5       | 6        | 62       | <20      |
| MBCE115            |                                   | 0.06     | <10      | 0.16     | 67       | 3        | 0.01     | <1       | 40       | 6        | 0.02     | <5       | 4        | 24       | <20      |
| MBCE116            |                                   | 0.06     | 10       | 0.12     | 67       | 3        | 0.01     | <1       | 50       | 14       | 0.03     | <5       | 2        | 44       | <20      |
| MBCE117            |                                   | 0.14     | 10       | 0.30     | 268      | 1        | 0.01     | 8        | 160      | 13       | <0.01    | <5       | 15       | 27       | <20      |
| MBCE119            |                                   | 0.03     | <10      | 6.46     | 83       | <1       | 0.01     | 3        | 100      | 5        | <0.01    | <5       | <1       | 198      | <20      |
| MBCE1110           |                                   | 0.07     | 20       | 0.06     | 64       | 2        | 0.01     | 2        | 60       | 20       | 0.03     | <5       | 3        | 31       | <20      |
| MBCE1111           |                                   | 0.14     | 40       | 0.40     | 166      | 1        | 0.01     | <1       | 40       | 7        | 0.01     | <5       | 5        | 43       | <20      |

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| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Nb - XRF10 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|------------|
|                    |                                   | Ti       | U        | V        | W        | Zn       | Nb         |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      | %          |
|                    |                                   | 10       | 10       | 1        | 10       | 2        | 0.01       |
| MBCBE              |                                   | <10      | <10      | 89       | <10      | 15       | <0.01      |
| MBCE113            |                                   | 10       | <10      | 30       | <10      | 13       | <0.01      |
| MBCE115            |                                   | <10      | <10      | 14       | <10      | <2       | 0.01       |
| MBCE116            |                                   | <10      | <10      | 10       | <10      | 3        | 0.01       |
| MBCE117            |                                   | <10      | <10      | 211      | <10      | 22       | 0.01       |
| MBCE119            |                                   | <10      | <10      | 5        | <10      | 4        | <0.01      |
| MBCE1110           |                                   | <10      | <10      | 21       | <10      | 2        | 0.01       |
| MBCE1111           |                                   | <10      | <10      | 20       | <10      | 9        | <0.01      |

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