



LABORATORY REPORT COVERSHEET

Date: 16 September 2011

To: Mirriwinni Lime
PO Box 2
MIRRIWINNI QLD 4871

Attention: Russell Lauridsen

Your Reference: Ca Silica - Whole Rock, Si & Sieving
Laboratory Report No: CE73740

Samples Received: 31/08/2011
Samples / Quantity: 1 Soil

The above samples were received intact and analysed according to your written instructions. Unless otherwise stated, solid samples are reported on a dry weight basis and liquid samples as received.

Jon Dicker
Manager
CAIRNS

Shey Goddard
Administration Manager
CAIRNS



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CLIENT: Mirriwinni Lime

PROJECT: Ca Silica - Whole Rock, Si & Sieving

Laboratory Report No: CE73740

LABORATORY REPORT

----- Our Reference Your Reference Type of Sample	Units	CE73740-1 Calcium Silica Soil
Date Extracted		30/08/2011
Date Analysed		30/08/2011
Acid Neutralisation Capacity ANC _{BT}	% CaCO ₃	77
Calcium Ca ^	% w/w	37
Magnesium, Mg ^	% w/w	0.3
Si ^	% w/w	7.4
250µm	% passing	62
250µm	% retained	20
500µm	% passing	82
500µm	% retained	17

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Whole Rock Analysis Our Reference Your Reference Type of Sample	Units	CE73740-1 Calcium Silica Soil
Date Extracted		1/09/2011
Date Analysed		15/09/2011
Al ₂ O ₃ ^	% w/w	0.37
SiO ₂ ^	% w/w	16
TiO ₂ ^	% w/w	0.02
Fe ₂ O ₃ ^	% w/w	0.19
MnO ^	% w/w	0.02
CaO ^	% w/w	52
K ₂ O ^	% w/w	0.12
MgO ^	% w/w	0.51
P ₂ O ₅ ^	% w/w	0.04
SO ₃ ^	% w/w	0.04
Na ₂ O ^	% w/w	0.05
LOI ^	% w/w	30
Total ^	% w/w	100

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TEST PARAMETERS	UNITS	LOR	METHOD
Date Extracted			
Date Analysed			
Acid Neutralisation Capacity ANC _{BT}	% CaCO ₃	0.1	AN214
Calcium Ca ^	% w/w	0.1	Calculation
Magnesium, Mg ^	% w/w	0.1	Calculation
Si ^	% w/w	0.05	XRF
250µm	% passing	1	AN005
250µm	% retained	1	AN005
500µm	% passing	1	AN005
500µm	% retained	1	AN005

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TEST PARAMETERS	UNITS	LOR	METHOD
Date Extracted			
Date Analysed			
Al ₂ O ₃ ^	% w/w	0.01	XRF
SiO ₂ ^	% w/w	0.05	XRF
TiO ₂ ^	% w/w	0.01	XRF
Fe ₂ O ₃ ^	% w/w	0.01	XRF
MnO ^	% w/w	0.01	XRF
CaO ^	% w/w	0.01	XRF
K ₂ O ^	% w/w	0.01	XRF
MgO ^	% w/w	0.01	XRF
P ₂ O ₅ ^	% w/w	0.01	XRF
SO ₃ ^	% w/w	0.01	XRF
Na ₂ O ^	% w/w	0.01	XRF
LOI ^	% w/w	0.01	XRF
Total ^	% w/w	0.01	XRF

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NOTES:

LOR - Limit of Reporting.

The significance of all reported results are defined by their analytical limit of reporting.

^ Whole rock analysis was determined at our Perth Minerals Laboratory, their reference WM134982.

Please note that NATA Accreditation does not cover the performance of this analysis.

Analysis Date: **Between** 29/08/11 **and** 16/09/11

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Geneva Legal Comment

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ISO 17025

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