



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty. Ltd.

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Finalized Date: 16-FEB-2010  
Account: NUPRES

## QC CERTIFICATE TV10012933

Project: Lucy Creek

P.O. No.: 266507

This report is for 4 Percussion samples submitted to our lab in Townsville, QLD, Australia on 9-FEB-2010.

The following have access to data associated with this certificate:

WARRICK RAFFERTY

TERRA SEARCH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LEV-01	Waste Disposal Levy
LOG-24	Pulp Login - Rcd w/o Barcode
PUL-21	Pulverize entire sample

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF12p	Phosphates by XRF	XRF
ME-GRA05	H2O/LOI by TGA furnace	TGA

To: **NUPOWER RESOURCES LTD**  
**ATTN: WARRICK RAFFERTY**  
**GPO BOX 2552**  
**DARWIN NT 0801**

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.

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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## QC CERTIFICATE OF ANALYSIS TV10012933

Method Analyte Units Sample Description	ME-XRF12p Al2O3 %	ME-XRF12p CaO %	ME-XRF12p Fe2O3 %	ME-XRF12p K2O %	ME-XRF12p MgO %	ME-XRF12p MnO2 %	ME-XRF12p Na2O %	ME-XRF12p P2O5 %	ME-XRF12p SiO2 %	ME-XRF12p TiO2 %	ME-XRF12p Total %	ME-GRA05 LOI %
LOR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>STANDARDS</b>												
BAUX CS4												23.73
Target Range - Lower Bound												22.85
Upper Bound												24.29
NCSDC79001	0.58	51.2	1.01	0.17	0.43	0.03	0.33	36.6	3.31	0.04	97.82	
Target Range - Lower Bound	0.56	50.8	1.02	0.16	0.42	0.02	0.30	36.5	3.22	0.03		
Upper Bound	0.60	51.8	1.06	0.18	0.44	0.04	0.36	37.3	3.30	0.05		
SARM-32	0.05	54.5	0.14	0.01	0.54	0.02	0.08	40.0	0.41	0.01	97.39	
Target Range - Lower Bound	0.04	53.9	0.13	<0.01	0.49	<0.01	0.06	39.6	0.41	<0.01		
Upper Bound	0.06	55.0	0.15	0.02	0.52	0.03	0.08	40.4	0.43	0.02		
SARM-39	4.21	9.70	9.31	1.06	26.1	0.21	0.62	1.48	33.6	1.58	99.44	
Target Range - Lower Bound	4.17	9.58	9.19	1.02	26.0	0.20	0.58	1.44	33.1	1.54		
Upper Bound	4.27	9.80	9.39	1.06	26.5	0.22	0.66	1.48	33.8	1.62		
<b>BLANKS</b>												
BLANK	0.07	<0.01	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	99.5	0.03	99.81	
Target Range - Lower Bound	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Upper Bound	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02		
<b>DUPLICATES</b>												
ORIGINAL												0.80
DUP												0.80
Target Range - Lower Bound												0.77
Upper Bound												0.83
6976207	2.59	45.9	0.34	0.42	0.23	0.03	0.11	33.4	13.45	0.11	98.90	
DUP	2.59	45.7	0.35	0.42	0.22	0.03	0.11	33.3	13.35	0.11	98.51	
Target Range - Lower Bound	2.57	45.6	0.33	0.41	0.21	0.02	0.10	33.2	13.30	0.10	96.23	
Upper Bound	2.61	46.0	0.36	0.43	0.24	0.04	0.12	33.5	13.50	0.12	101.20	
6976209	3.97	36.5	0.46	0.62	0.31	0.03	0.11	26.9	27.5	0.18	99.08	
DUP	3.95	36.5	0.46	0.62	0.32	0.03	0.11	26.8	27.4	0.18	98.82	
Target Range - Lower Bound	3.93	36.3	0.45	0.61	0.30	0.02	0.10	26.7	27.3	0.17	96.47	
Upper Bound	3.99	36.7	0.47	0.63	0.33	0.04	0.12	27.0	27.6	0.19	101.45	