

CERTIFICATE OF ANALYSIS

Work Order	: WN1900691	Page	: 1 of 4
Client	: WARRIMUNGI SHIRE COUNCIL	Laboratory	: ALS Water - Newcastle
Contact		Contact	: Andrea Swan
Address	: 59 Binnia St, COOLAH NSW	Address	: 5/585 Maitland Road Newcastle West NSW Australia 2304
Telephone	: +61 02 6849 2000	Telephone	: +61 2 4014 2500
Project	: ---	Date Samples Received	: 31-Jan-2019 09:55
Order number	: ---	Date Analysis Commenced	: 31-Jan-2019
C-O-C number	: ---	Issue Date	: 12-Feb-2019 10:18
Sampler			
Site	: ---		
Quote number	: WN Blanket Quote		
No. of samples received	: 4		
No. of samples analysed	: 4		



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Gregory Towers	Technical Officer	Chemistry, Newcastle West, NSW
Kim McCabe	Senior Inorganic Chemist	Brisbane Inorganics, Stafford, QLD
Neil Martin	Team Leader - Chemistry	Chemistry, Newcastle West, NSW



11/1/2019

301

Client sample ID

Client sampling date / time

				Soil Sample (Ingram's Paddock)	Soil Sample (RLPB Paddock)			
				30-Jan-2019 13:15	30-Jan-2019 13:20			
Ground	CAS Number	LOR	Unit	WN1900691-003	WN1900691-004			
				Result	Result			
EA006: Sodium Adsorption Ratio (SAR)								
Sodium Adsorption Ratio								
		0.01	-	2.04	2.88			
EA055: Moisture Content								
Moisture Content								
		1.0	%	10.6	15.6			
ED093S: Soluble Major Cations								
Calcium								
	7440-70-2	10	mg/kg	80	30			
Magnesium								
	7439-95-4	10	mg/kg	30	20			
Sodium								
	7440-23-5	10	mg/kg	100	110			
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser								
Nitrite + Nitrate as N (Sol.)								
		0.1	mg/kg	67.4	7.4			
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser								
Total Kjeldahl Nitrogen as N								
		20	mg/kg	2580	2600			
EK062: Total Nitrogen as N (TKN + NOx)								
Total Nitrogen as N								
		20	mg/kg	2650	2610			
EK067G: Total Phosphorus as P by Discrete Analyser								
Total Phosphorus as P								
			mg/kg	1420	1310			