



## CERTIFICATE OF ANALYSIS

Work Order : **ES2407481** Page : 1 of 3  
Client : **SYDNEY ZOO** Laboratory : Environmental Division Sydney  
Contact : **MR PETER AIKEN** Contact : **Wael Saleh**  
Address : **700 GREAT WESTERN HWY** Address : **277-289 Woodpark Road Smithfield**  
**EASTERN CREEK 2766** **NSW Australia 2164**  
Telephone : ---- Telephone : **+61 2 8784 8555**  
Project : **50220 - TRADEWASTE**  
Order number : ----  
C-O-C number : ----  
Site : **50220 - 700 GREAT WESTERN HWY,**  
**EASTERN CREEK, NSW, 2766**  
Sampled by : ----  
Quote number : **ES2020SYDZOO0001 (TS-004-20)**



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

Issue Date : 19-Mar-2024 10:47 No. of samples received : 2  
Date Samples Received : 06-Mar-2024 15:00 No. of samples analysed : 2

Parameter	Unit	LOR	VALUE
Start time	hrs	1	12:30 on 05/03/24
Finish Time	hrs	1	10:40 on 06/03/24
Meter Reading (start)	kL	0.001	24777
Meter Reading (finish)	kL	0.001	24783
TWDF	%	1	100
Volume Discharged	kL	0.001	6.00
Volume Discharged (corrected)	kL	0.001	6.00

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. All pages of this report have been checked and approved for release.

Where a result is required to meet compliance limits, the associated uncertainty **must be** considered. Refer to the ALS Contract Terms and Conditions for details, and EnviroMail 53 for a guide on how to interpret the measurement of uncertainty (MU).

Black shading is applied where the result is equal to or greater than the guideline upper limit or the result is equal to or lower than the guideline lower limit. Any shading applied does not take into account measurement uncertainty.

Key :  $\emptyset$  = ALS is not NATA accredited for these tests.

A copy of this report will not be forwarded to Sydney Water unless otherwise instructed.

Analysis conducted on samples as received.

Mass discharged calculation is not covered by ALS scope of accreditation.

Sample and Sampling information supplied by ALS

SAMPLING CONDITIONS: Grabs per bottle: 22, Sample Interval: 60 min, mL per grab: 300mL, TWDF: 100%

pH on site both was not reported as there was no flow.

EA016(0.6): Total Dissolved Solids calculated by multiplying Electrical Conductivity by a factor of 0.6.

Sodium Adsorption Ratio (where reported): Where results for Na, Ca or Mg are <LOR, a concentration at half the reported LOR is incorporated into the SAR calculation. This represents a conservative approach for Na relative to the assumption that <LOR = zero concentration and a conservative approach for Ca & Mg relative to the assumption that <LOR is equivalent to the LOR concentration.

### 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.

Signatories

Position (Accreditation Category)

Ankit Joshi

Senior Chemist - Inorganics (Sydney Inorganics, Smithfield, NSW)

Wael Saleh

Client Services - Trade Waste Coordinator (Sydney Sampling, Smithfield, NSW)

right solutions. right partner.

Analytical Results



				50220 - COMPOSITE 06-Mar-2024		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES2407481001 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EA005-P	pH Value	pH Unit	0.01	---	7.85 ± 0.09	---	---
EA016 (0.6)	Total Dissolved Solids (Calc.)	mg/L	1	500.00	2210	18	13.3
EA025H	Suspended Solids (SS)	mg/L	5	600.00	6 ± 1	22	0.036
ED093F	Calcium	mg/L	1	---	27 ± 3	---	0.162
ED093F	Magnesium	mg/L	1	---	7 ± 0.6	---	0.044
ED093F	Sodium	mg/L	1	---	697 ± 54	---	4.18
EK055	Ammonia as N	mg/L	0.1	100.00	<0.1 --	3	<0.0006
EP030	Biochemical Oxygen Demand	mg/L	2	---	4 ± 0.6	22	0.024



				50220 - DISCRETE 06-Mar-2024		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES2407481002 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EK055	Ammonia as N	mg/L	0.1	100.00	0.8	---	---

<b>Client - Report Received and Actioned</b>	<b>Water Authority - Report Received and Actioned</b>						
Customer Signature : _____	<b>TERRITORY</b>						
Designation : _____	Sample Number : <table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						
Date : _____ / ____ / ____	Wastewater Source Control Office :						