CERTIFICATE OF ANALYSIS

Work Order	: **ES2418397**	Page	: 1 of 4
Client	: **INTEGRA WATER TREATMENT SOLUTIONS**	Laboratory	: Environmental Division Sydney
Contact	: SAMPLES	Contact	: Wael Saleh
Address	: UNIT B 195 PORT HACKING ROAD MIRANDA NSW, AUSTRALIA 2228	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: Alexander Downs Wholesale Meats	Date Samples Received	: 05-Jun-2024 13:55
Order number	: ----	Date Analysis Commenced	: 07-Jun-2024
C-O-C number	: ----	Issue Date	: 13-Jun-2024 15:07
Sampler	: MICHAEL AXE		
Site	: AD/ Kurri Meats		
Quote number	: EN/222		
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, unless the sampling was conducted by ALS. 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.

Signatories	Position	Accreditation Category
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW

right solutions. right partner.

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- EP030C: Insufficient sample volume available for duplicate analysis.

- EP030: The residue DO for sample #4 is less than 1 mg/L, this indicates that the sample has not been diluted enough and the BOD is greater than 199 mg/L. The result reported is estimated from the greatest dilution.

- 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.

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)					Sample ID	wastewater treatment plant in	wastewater treatment plant out	Pond Number 2	Pond Number 3	----
				Sampling date / time		05-Jun-2024 11:20	05-Jun-2024 11:30	05-Jun-2024 11:35	05-Jun-2024 11:45	----
Compound		CAS Number	LOR	Unit		ES2418397-001	ES2418397-002	ES2418397-003	ES2418397-004	--------
						Result	Result	Result	Result	----
EA005P: pH by PC Titrator										
pH Value		----	0.01	pH Unit		**7.01**	**7.18**	**7.71**	**7.70**	----
EA010P: Conductivity by PC Titrator										
Electrical Conductivity @ 25°C		----	1	µS/cm		**1680**	**1750**	**1680**	**1680**	----
EA015: Total Dissolved Solids dried at 180 ± 5 °C										
Total Dissolved Solids @180°C		----	10	mg/L		**1240**	**1060**	**802**	**791**	----
EA025: Total Suspended Solids dried at 104 ± 2°C										
Suspended Solids (SS)		----	5	mg/L		**1300**	**677**	**228**	**130**	----
ED093F: Dissolved Major Cations										
Calcium		7440-70-2	1	mg/L		----	----	----	**19**	----
Magnesium		7439-95-4	1	mg/L		----	----	----	**10**	----
Sodium		7440-23-5	1	mg/L		----	----	----	**181**	----
Potassium		7440-09-7	1	mg/L		----	----	----	**91**	----
ED093F: SAR and Hardness Calculations										
^ Sodium Adsorption Ratio		----	0.01	-		**10.0**	**8.47**	**8.60**	**8.36**	----
EK055G: Ammonia as N by Discrete Analyser										
Ammonia as N		7664-41-7	0.01	mg/L		----	----	----	**69.5**	----
EK057G: Nitrite as N by Discrete Analyser										
Nitrite as N		14797-65-0	0.01	mg/L		----	----	----	**<0.01**	----
EK058G: Nitrate as N by Discrete Analyser										
Nitrate as N		14797-55-8	0.01	mg/L		----	----	----	**0.44**	----
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser										
Nitrite + Nitrate as N		----	0.01	mg/L		----	----	----	**0.44**	----
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser										
Total Kjeldahl Nitrogen as N		----	0.1	mg/L		----	----	----	**95.6**	----
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser										
^ Total Nitrogen as N		----	0.1	mg/L		----	----	----	**96.0**	----
EK067G: Total Phosphorus as P by Discrete Analyser										
Total Phosphorus as P		----	0.01	mg/L		----	----	----	**8.14**	----

Analytical Results

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		Sampling date / time		05-Jun-2024 11:20	05-Jun-2024 11:30	05-Jun-2024 11:35	05-Jun-2024 11:45	----
Compound	CAS Number	LOR	Unit	ES2418397-001	ES2418397-002	ES2418397-003	ES2418397-004	--------
				Result	Result	Result	Result	----
EP020: Oil and Grease (O&G)								
Oil & Grease	----	5	mg/L	----	----	----	14	----
EP030: Biochemical Oxygen Demand (BOD)								
Biochemical Oxygen Demand	----	2	mg/L	----	----	----	199	----
EP030: Carbonaceous Biochemical Oxygen Demand (CBOD)								
CBOD	----	2	mg/L	----	----	----	171	----