

CERTIFICATE OF ANALYSIS

Issue Date

: 1 of 4

: 24-Sep-2020 15:58

Work Order : ES2032966 Page

Client : INTEGRA WATER TREATMENT SOLUTIONS Laboratory : Environmental Division Sydney

Contact : SAMPLE RESULTS Contact : Wael Saleh

Address : UNIT B 195 Port Hacking Rd. Address : 277-289 Woodpark Road Smithfield NSW Australia 2164

MIRANDA NSW, AUSTRALIA 2228

 Telephone
 : +61 9574 0000
 Telephone
 : +61 2 8784 8555

 Project
 : Alexander Downs Wholesale Meats
 Date Samples Received
 : 18-Sep-2020 10:50

Order number : ---- Date Analysis Commenced : 18-Sep-2020

Sampler : JEFF MOULDS (INTEGRA)

Site : AD/KURRI MEATS

Quote number : EN/222 NSW Batches only

No. of samples received : 4
No. of samples analysed : 4

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

C-O-C number

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 Inorganic Chemist Sydney Inorganics, Smithfield, NSW Ivan Taylor Analyst Sydney Inorganics, Smithfield, NSW Neil Martin Team Leader - Chemistry Chemistry, Newcastle West, NSW

Page : 2 of 4
Work Order : ES2032966

Client : INTEGRA WATER TREATMENT SOLUTIONS

Project : Alexander Downs Wholesale Meats



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 Contact 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.
- It has been noted that Ammonia is greater than TKN, however this difference is within the limits of experimental variation.
- 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.

Page : 3 of 4
Work Order : ES2032966

Client : INTEGRA WATER TREATMENT SOLUTIONS

Project : Alexander Downs Wholesale Meats

Analytical Results



ub-Matrix: WATER Matrix: WATER)	Client sample ID Client sampling date / time			WASTE WATER TREAT.PLANT IN 18-Sep-2020 10:00	WASTE WATER TREAT.PLANT OUT 18-Sep-2020 10:00	POND NUMBER 2 18-Sep-2020 10:00	POND NUMBER 3 18-Sep-2020 10:00	
Compound	CAS Number	LOR	Unit	ES2032966-001	ES2032966-002	ES2032966-003	ES2032966-004	
				Result	Result	Result	Result	
A005: pH								
pH Value		0.01	pH Unit	7.39	7.41	7.69	8.00	
A006: Sodium Adsorption Ratio (SAR								
Sodium Adsorption Ratio		0.01	-				7.85	
EA010P: Conductivity by PC Titrator								
Electrical Conductivity @ 25°C		1	μS/cm	1680	1880	2150	2080	
A015: Total Dissolved Solids dried at	180 ± 5 °C							
Total Dissolved Solids @180°C		10	mg/L				899	
A025: Total Suspended Solids dried a	t 104 ± 2°C							
Suspended Solids (SS)		5	mg/L	849	674	153	139	
D093F: Dissolved Major Cations			-					
Calcium	7440-70-2	1	mg/L				15	
Magnesium	7439-95-4	1	mg/L				7	
Sodium	7440-23-5	1	mg/L				147	
K055G: Ammonia as N by Discrete An								
Ammonia as N	7664-41-7	0.01	mg/L				129	
K057G: Nitrite as N by Discrete Analy								
Nitrite as N	14797-65-0	0.01	mg/L				0.01	
K058G: Nitrate as N by Discrete Analy			3					
Nitrate as N	14797-55-8	0.01	mg/L				0.01	
			9/ _				0.01	
K059G: Nitrite plus Nitrate as N (NOx) Nitrite + Nitrate as N	by Discrete Anal	<u>0.01</u>	mg/L				0.02	
		3.01	mg/L				V.V2	
K061G: Total Kjeldahl Nitrogen By Dis Total Kjeldahl Nitrogen as N		0.1	ma/l				118	
· ·			mg/L				110	
K062G: Total Nitrogen as N (TKN + NC			ma"				440	
Total Nitrogen as N		0.1	mg/L				118	
K067G: Total Phosphorus as P by Dis								
Total Phosphorus as P		0.01	mg/L				4.79	
P020: Oil and Grease (O&G)								
Oil & Grease		5	mg/L				6	
P030: Biochemical Oxygen Demand (E	BOD)							
Biochemical Oxygen Demand		2	mg/L				68	
P030C: Carbonaceous Biochemical O	xygen Demand (Cl	BOD)						
CBOD		2	mg/L				67	

Page : 4 of 4 Work Order : ES2032966

Client : INTEGRA WATER TREATMENT SOLUTIONS

Project : Alexander Downs Wholesale Meats

Analytical Results



EP030C: Carbonaceous Biochemical Oxygen Demand (CBOD) - Continued

