

CERTIFICATE OF ANALYSIS Page Work Order : ES2337812 : 1 of 3 Client : MARTENS & ASSOCIATES PTY LTD Laboratory : Environmental Division Sydney Contact : GRAY TAYLOW Contact : Customer Services ES Address Address : 277-289 Woodpark Road Smithfield NSW Australia 2164 : Suite 201 Level 2 20 George Street HORNSBY NSW, AUSTRALIA 2077 Telephone : -----Telephone : +61-2-8784 8555 Project : P2108127 - MERRY BEACH MONITORING - OCTOBER 2023 **Date Samples Received** : 02-Nov-2023 09:00 Order number Date Analysis Commenced : -----: 02-Nov-2023 C-O-C number Issue Date · ____ : 10-Nov-2023 12:04 Sampler · ____ Site · ____ Quote number : EN/333 "uhiliw Accreditation No. 825 No. of samples received : 3 Accredited for compliance with

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.

ISO/IEC 17025 - Testing

This Certificate of Analysis contains the following information:

: 3

- 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

No. of samples analysed

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
Somlok Chai	Microbiologist	Sydney Microbiology, Smithfield, NSW





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.
- MF = membrane filtration
- CFU = colony forming unit
- MW006 is ALS's internal code and is equivalent to AS4276.5.
- Microbiological Comment: In accordance with ALS work instruction QWI-MIC/04, membrane filtration result is reported an approximate (~) when the count of colonies on the filtered membrane is outside the range
 of 10 100cfu.



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)			Sample ID	884/EFF1	884/EFF2	INFLUENT	
Sampling date / time			01-Nov-2023 00:00	01-Nov-2023 00:00	01-Nov-2023 00:00	 	
Compound	CAS Number	LOR	Unit	ES2337812-001	ES2337812-002	ES2337812-003	
				Result	Result	Result	
EA005P: pH by PC Titrator							
pH Value		0.01	pH Unit	7.49	7.88	7.84	
EA025: Total Suspended Solids drie	ed at 104 ± 2°C						
Suspended Solids (SS)		5	mg/L	<5	<5	298	
EK055G: Ammonia as N by Discrete	Analyser						
Ammonia as N	7664-41-7	0.01	mg/L	0.04		53.7	
EK059G: Nitrite plus Nitrate as N (N	Ox) by Discrete Analy	yser					
Nitrite + Nitrate as N		0.01	mg/L	10.6		0.08	
EK061G: Total Kjeldahl Nitrogen By	Discrete Analyser						
Total Kjeldahl Nitrogen as N		0.1	mg/L	1.9		74.5	
EK062G: Total Nitrogen as N (TKN +	NOx) by Discrete Ana	alyser					
^ Total Nitrogen as N		0.1	mg/L	12.5		74.6	
EK067G: Total Phosphorus as P by	Discrete Analyser						
Total Phosphorus as P		0.01	mg/L	6.81		16.5	
EP020: Oil and Grease (O&G)							
Oil & Grease		5	mg/L	<5		61	
EP030: Biochemical Oxygen Deman	d (BOD)						
Biochemical Oxygen Demand		2	mg/L	2		83	
MW006: Faecal Coliforms & E.coli b	y MF						
Faecal Coliforms		1	CFU/100mL	320		7300000	
Escherichia coli		1	CFU/100mL		20	7100000	