



CERTIFICATE OF ANALYSIS

Work Order : **EN2502909**
Client : **GOLDER ASSOCIATES**
Contact : **MR IVAN WARD**
Address : **LEVEL 8 40 MOUNT STREET**
NORTH SYDNEY NSW, AUSTRALIA 2065
Telephone : **+61 02 9478 3900**
Project : **PS134467**
Order number : **117623088**
C-O-C number : **----**
Sampler : **MW**
Site :
Quote number : **EN/000**
No. of samples received : **5**
No. of samples analysed : **5**

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Laboratory : Environmental Division Newcastle
Contact : Josh Alexander
Address : 5/585 Maitland Road Mayfield West NSW Australia 2304
Telephone : +61 2 4014 2500
Date Samples Received : 18-Feb-2025 17:00
Date Analysis Commenced : 26-Feb-2025
Issue Date : 03-Mar-2025 17:15



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
Thomas Regan	Laboratory Technician	Newcastle - Inorganics, Mayfield West, 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.

- Dust analysis as per AS3580.10.1-2016. Samples passed through a 1mm sieve prior to analysis. NATA accreditation does not apply for results reported in deposition units e.g., g/m².mth where the sampling procedure is not NATA accredited.
- For dust analysis, the Limit of Reporting (LOR) referenced in the reports for deposited matter parameters represents the reporting increment rather than reporting limit.

Analytical Results

Sub-Matrix: **DEPOSITIONAL DUST**
 (Matrix: **AIR**)

Sample ID

				DDG1 17/01/25 - 17/02/25	DDG2 17/01/25 - 17/02/25	DDG3 17/01/25 - 17/02/25	DDG4 17/01/25 - 17/02/25	DDG5 17/01/25 - 17/02/25
Sampling date / time				17-Feb-2025 00:00	17-Feb-2025 00:00	17-Feb-2025 00:00	17-Feb-2025 00:00	17-Feb-2025 00:00
Compound	CAS Number	LOR	Unit	EN2502909-001	EN2502909-002	EN2502909-003	EN2502909-004	EN2502909-005
				Result	Result	Result	Result	Result
EA120: Ash Content								
Ash Content	----	0.1	g/m ² .month	1.5	2.2	1.3	1.0	0.1
Ash Content (mg)	----	2	mg	28	40	24	18	2
EA125: Combustible Matter								
Combustible Matter	----	0.1	g/m ² .month	0.6	0.5	0.7	0.6	0.1
Combustible Matter (mg)	----	2	mg	11	10	12	11	2
EA141: Total Insoluble Matter								
Total Insoluble Matter	----	0.1	g/m ² .month	2.1	2.7	2.0	1.6	0.2
Total Insoluble Matter (mg)	----	2	mg	39	50	36	29	4