

## CERTIFICATE OF ANALYSIS

**Work Order** : **EW1805138**  
**Client** : **WOLLONGONG CITY COUNCIL**  
**Contact** : DELLA KUTZNER  
**Address** : 41 BURELLI STREET  
 WOLLONGONG NSW, AUSTRALIA 2500  
  
**Telephone** : +61 02 4227 7111  
**Project** : Whytes Gully Dust Deposition  
**Order number** : 3088330  
**C-O-C number** : ----  
**Sampler** : Robert DaLio  
**Site** : Monthy Dust  
**Quote number** : WO/005/18 TENDER  
**No. of samples received** : 5  
**No. of samples analysed** : 5

**Page** : 1 of 2  
**Laboratory** : Environmental Division NSW South Coast  
**Contact** : Glenn Davies  
**Address** : 1/19 Ralph Black Dr, North Wollongong 2500  
 4/13 Geary Pl, North Nowra 2541  
 Australia NSW Australia  
**Telephone** : 02 42253125  
**Date Samples Received** : 10-Dec-2018 14:02  
**Date Analysis Commenced** : 12-Dec-2018  
**Issue Date** : 18-Dec-2018 16:40



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. 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.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Dianne Blane	Laboratory Coordinator (2IC)	Newcastle - Inorganics, Mayfield West, NSW



## General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by 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.

- Analysis as per AS3580.10.1-2016. Samples passed through a 1mm sieve prior to analysis. NATA accreditation is not held for results reported in g/m<sup>2</sup>.mth.
- Sampling completed as per FWI-EN010 Sampling of Dust Deposition Gauges.

## Analytical Results

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

Client sample ID

				DDG 1 08/11/2018 - 10/12/2018	DDG 2 08/11/2018 - 10/12/2018	DDG 3 08/11/2018 - 10/12/2018	DDG 4 08/11/2018 - 10/12/2018	DDG 5 08/11/2018 - 10/12/2018
Client sampling date / time				10-Dec-2018 14:55	10-Dec-2018 14:40	10-Dec-2018 13:50	10-Dec-2018 14:30	10-Dec-2018 14:35
Compound	CAS Number	LOR	Unit	EW1805138-001	EW1805138-002	EW1805138-003	EW1805138-004	EW1805138-005
				Result	Result	Result	Result	Result
<b>EA120: Ash Content</b>								
Ash Content	----	0.1	g/m <sup>2</sup> .month	0.7	0.9	0.4	1.5	0.4
Ash Content (mg)	----	1	mg	14	18	8	27	8
<b>EA125: Combustible Matter</b>								
Combustible Matter	----	0.1	g/m <sup>2</sup> .month	0.3	0.4	0.5	6.3	0.4
Combustible Matter (mg)	----	1	mg	5	7	10	119	7
<b>EA141: Total Insoluble Matter</b>								
Total Insoluble Matter	----	0.1	g/m <sup>2</sup> .month	1.0	1.3	0.9	7.8	0.8
Total Insoluble Matter (mg)	----	1	mg	19	25	18	146	15