

CERTIFICATE OF ANALYSIS

Work Order	: EN1900171	Page	: 1 of 2
Amendment	: 1	Laboratory	: Environmental Division Newcastle
Client	: AUSTRAL BRICK COMPANY PTY LTD	Contact	: Hayley Worthington
Contact	: Cassandra Steppacher	Address	: 5/585 Maitland Road Mayfield West NSW Australia 2304
Address	: 738-780 WALLGROVE ROAD HORSLEY PARK NSW AUSTRALIA 2175	Telephone	: +612 4014 2500
Telephone	: +61 02 9830 7800	Date Samples Received	: 09-Jan-2019 17:00
Project	: New Berrima Dust Samples	Date Analysis Commenced	: 16-Jan-2019
Order number	: 4000582	Issue Date	: 20-Feb-2019 12:13
C-O-C number	: ----		
Sampler	: Cassandra Steppacher		
Site	: ----		
Quote number	: EN/066/16		
No. of samples received	: 3		
No. of samples analysed	: 3		



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.

- Amendment (20/02/2019): This report has been amended as a result of a request to change the analytical date for sample 003 received by ALS from Cassandra Steppacher on 20/02/2019. The specific data affected includes the g/m².month results.
- 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 g/m².mth as sampling data was provided by the client.
- Sample exposure period for samples #1 and #2 is 27 days which is outside the typical exposure period of 30 +/- 2 days as per AS3580.10.1.

Analytical Results

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

Client sample ID

				A1	A2	A3	----	----
				01/12/18 - 28/12/18	01/12/18 - 28/12/18	01/12/18 - 29/12/18	----	----
Client sampling date / time				28-Dec-2018 00:00	28-Dec-2018 00:00	29-Dec-2018 00:00	----	----
Compound	CAS Number	LOR	Unit	EN1900171-001	EN1900171-002	EN1900171-003	-----	-----
				Result	Result	Result	----	----
EA120: Ash Content								
Ash Content	----	0.1	g/m ² .month	0.6	0.9	2.2	----	----
Ash Content (mg)	----	1	mg	9	14	36	----	----
EA125: Combustible Matter								
Combustible Matter	----	0.1	g/m ² .month	0.2	0.4	0.6	----	----
Combustible Matter (mg)	----	1	mg	3	6	10	----	----
EA139: Total Soluble Matter								
Total Soluble Matter	----	0.1	g/m ² .month	0.5	0.4	0.5	----	----
Total Soluble Matter (mg)	----	1	mg	8	6	9	----	----
EA141: Total Insoluble Matter								
Total Insoluble Matter	----	0.1	g/m ² .month	0.8	1.3	2.8	----	----
Total Insoluble Matter (mg)	----	1	mg	12	20	46	----	----
EA142: Total Solids								
Total Solids	----	0.1	g/m ² .month	1.3	1.7	3.3	----	----
Total Solids (mg)	----	1	mg	20	26	55	----	----