

CERTIFICATE OF ANALYSIS

Work Order : **EN1701982**
Client : **AUSTRAL BRICK COMPANY PTY LTD**
Contact : Cassandra Steppacher
Address : 738-780 WALLGROVE ROAD
 HORSLEY PARK NSW AUSTRALIA 2175
Telephone : +61 02 9830 7800
Project : New Berrima Dust Samples
Order number : 468057
C-O-C number : ----
Sampler : Cassandra Steppacher
Site : ----
Quote number : EN/066/16
No. of samples received : 4
No. of samples analysed : 3

Page : 1 of 2
Laboratory : Environmental Division Newcastle
Contact : Hayley Worthington
Address : 5/585 Maitland Road Mayfield West NSW Australia 2304
Telephone : +612 4014 2500
Date Samples Received : 15-May-2017 17:00
Date Analysis Commenced : 17-May-2017
Issue Date : 22-May-2017 16:58



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 no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component.

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 AS3580.10.1-2003. 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 is 57 days which is outside the typical exposure period of 30 +/- 2 days as per AS3580.10.1.
- Standard copper correction was applied but no dosing information was received with the client supplied bottles.

Analytical Results

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

Client sample ID

				A1	A2	A3	----	----
				09/03/17 - 05/05/17	09/03/17 - 05/05/17	09/03/17 - 05/05/17	----	----
				05-May-2017 00:00	05-May-2017 00:00	05-May-2017 00:00	----	----
Compound	CAS Number	LOR	Unit	EN1701982-001	EN1701982-002	EN1701982-003	-----	-----
				Result	Result	Result	----	----
EA120: Ash Content								
Ash Content	----	0.1	g/m ² .month	0.5	1.4	1.8	----	----
Ash Content (mg)	----	1	mg	16	47	62	----	----
EA125: Combustible Matter								
Combustible Matter	----	0.1	g/m ² .month	0.2	0.5	0.9	----	----
Combustible Matter (mg)	----	1	mg	9	16	29	----	----
EA139: Total Soluble Matter								
Total Soluble Matter	----	0.1	g/m ² .month	52.2	40.9	57.4	----	----
Total Soluble Matter (mg)	----	1	mg	1750	1370	1930	----	----
EA141: Total Insoluble Matter								
Total Insoluble Matter	----	0.1	g/m ² .month	0.7	1.9	2.7	----	----
Total Insoluble Matter (mg)	----	1	mg	25	63	91	----	----
EA142: Total Solids								
Total Solids	----	0.1	g/m ² .month	52.9	42.8	60.1	----	----
Total Solids (mg)	----	1	mg	1780	1440	2020	----	----