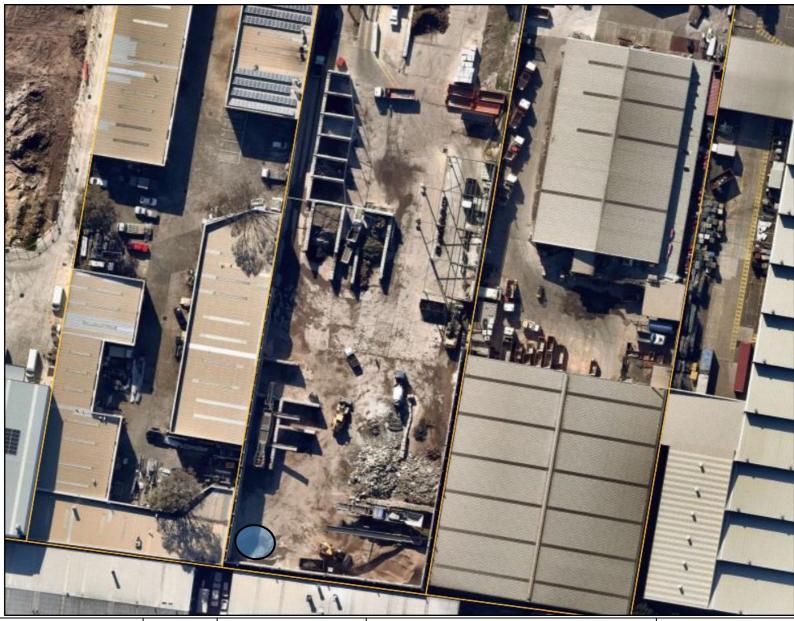
Appendix A Site Location and Drawings



Coleman Adams Environmental

Project No. CAE1243.57.RA

Client: Gow Street Recycling Centre



Drawn By: MT

Scale: NTS

81 Gow St, Padstow NSW

Site Layout



Stockpile Location

Appendix B Laboratory Test Certificates



Coleman and Adams Environmental Pty Ltd PO Box R1370 The Royal Exchange NSW 1255





NATA Accredited Accreditation Number 1261 Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: Joanna Chen (ALL SRA'S)

Report 1172951-S

Project name

Project ID 1243.57
Received Date Dec 17, 2024

Client Sample ID			1243.57.RA1	1243.57.RA2	1243.57.RA3	1243.57.RA4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24- De0049316	S24- De0049317	S24- De0049318	S24- De0049319
Date Sampled			Dec 17, 2024	Dec 17, 2024	Dec 17, 2024	Dec 17, 2024
Test/Reference	LOR	Unit				
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	110	120	160	120
Heavy Metals						
Arsenic	2	mg/kg	3.0	< 2	< 2	3.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	13	35	9.8	21
Copper	5	mg/kg	27	13	27	33
Lead	5	mg/kg	9.1	< 5	< 5	8.0
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.4	31	< 5	6.8
Zinc	5	mg/kg	34	23	39	55
Sample Properties						
% Moisture	1	%	3.9	3.5	2.8	2.1

Client Sample ID Sample Matrix Eurofins Sample No. Date Sampled Test/Reference	LOR	Unit	1243.57.RA5 Soil S24- De0049320 Dec 17, 2024
Conductivity (1:5 aqueous extract at 25 °C as rec.) Heavy Metals	10	uS/cm	130
Arsenic	2	mg/kg	6.2
Cadmium	0.4	mg/kg	< 0.4
Chromium	5	mg/kg	28
Copper	5	mg/kg	20
Lead	5	mg/kg	7.6
Mercury	0.1	mg/kg	< 0.1
Nickel	5	mg/kg	10.0
Zinc	5	mg/kg	49
Sample Properties			
% Moisture	1	%	2.3



Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Dec 20, 2024	7 Days
- Method: LTM-INO-4030 Conductivity			
Metals M8	Sydney	Dec 20, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Sydney	Dec 19, 2024	14 Days

- Method: LTM-GEN-7080 Moisture



email: EnviroSales@eurofinsanz.com

Eurofins Environment Testing Australia Pty Ltd

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Address

web: www.eurofins.com.au

Company Name: Coleman and Adams Environmental Pty Ltd

PO Box R1370 The Royal Exchange

NATA# 1261

Site# 1254

NSW 1255

Project Name: Project ID:

1243.57

Order No.:

Report #: Phone: Fax:

Perth

Welshpool

NATA# 2377

WA 6106

1172951 0424 639 602

Received: Dec 17, 2024 7:05 PM Jan 13, 2025 Due: **Priority:**

15 Day cc All Results/SRA/Invoices Contact Name:

Eurofins Analytical Services Manager: Asim Khan

		Sa	mple Detail			Asbestos - AS4964	Conductivity (1:5 aqueous extract at 25 °C as rec.)	Metals M8	Moisture Set
Sydr	ney Laboratory	- NATA # 1261	Site # 18217	•		Х	Х	Х	Х
Exte	rnal Laboratory	,							
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	1243.57.RA1	Dec 17, 2024		Soil	S24-De0049316	Х	Х	Х	Х
2	1243.57.RA2	Dec 17, 2024		Soil	S24-De0049317	Χ	Х	Х	Х
3	1243.57.RA3	Dec 17, 2024		Soil	S24-De0049318	Χ	Х	Χ	Х
4	1243.57.RA4	Dec 17, 2024		Soil	S24-De0049319	Χ	Х	Χ	Х
5	1243.57.RA5	Dec 17, 2024		Soil	S24-De0049320	Χ	Х	Х	Х
Test	Counts					5	5	5	5



Internal Quality Control Review and Glossary

General

- 1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request
- 2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
- 3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
- 4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
- Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences
- Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
- 7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
- 8. Samples were analysed on an 'as received' basis.
- 9. Information identified in this report with blue colour indicates data provided by customers that may have an impact on the results.
- 10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date: therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days

Units

mg/kg: milligrams per kilogram mg/L: milligrams per litre ppm: parts per million μg/L: micrograms per litre ppb: parts per billion %: Percentage

org/100 mL: Organisms per 100 millilitres NTU: Nephelometric Turbidity Units MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Colour: Pt-Co Units (CU) CFU: Colony Forming Unit

Terms

APHA American Public Health Association CEC Cation Exchange Capacity COC Chain of Custody

CP Client Parent - QC was performed on samples pertaining to this report CRM Certified Reference Material (ISO17034) - reported as percent recovery.

Dry Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis

Duplicate A second piece of analysis from the same sample and reported in the same units as the result to show comparison.

LOR Limit of Reporting.

LCS Laboratory Control Sample - reported as percent recovery.

Method Blank In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water NCP Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.

RPD Relative Percent Difference between two Duplicate pieces of analysis SPIKE Addition of the analyte to the sample and reported as percentage recovery

SRA Sample Receipt Advice

The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria Surr - Surrogate

Tributyltin oxide (bis-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits. TRTO

TCI P Toxicity Characteristic Leaching Procedure TEQ Toxic Equivalency Quotient or Total Equivalence

QSM US Department of Defense Quality Systems Manual Version 6.0

US EPA United States Environmental Protection Agency

WA DWER Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50% Results >20 times the LOR: RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 - 150%, VOC recoveries 50 - 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

- 1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided
- 2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
- 3. pH and Free Chlorine analysed in the laboratory Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
- 4. Recovery Data (Spikes & Surrogates) where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
- 5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
- 6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data

Page 4 of 7



Quality Control Results

Test	:		Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Method Blank								
Conductivity (1:5 aqueous extract	at 25 °C as rec.)		uS/cm	< 10		10	Pass	
Method Blank				T				
Heavy Metals			T					
Arsenic			mg/kg	< 2		2	Pass	
Cadmium			mg/kg	< 0.4		0.4	Pass	
Chromium			mg/kg	< 5		5	Pass	
Copper			mg/kg	< 5		5	Pass	
Lead			mg/kg	< 5		5	Pass	
Mercury			mg/kg	< 0.1		0.1	Pass	
Nickel			mg/kg	< 5		5	Pass	
Zinc			mg/kg	< 5		5	Pass	
Method Blank								
Heavy Metals								
Arsenic			mg/kg	< 2		2	Pass	
Cadmium			mg/kg	< 0.4		0.4	Pass	
Chromium			mg/kg	< 5		5	Pass	
Copper			mg/kg	< 5		5	Pass	
Lead			mg/kg	< 5		5	Pass	
Mercury			mg/kg	< 0.1		0.1	Pass	
Nickel			mg/kg	< 5		5	Pass	
Zinc			mg/kg	< 5		5	Pass	
LCS - % Recovery								
Heavy Metals								
Arsenic			%	93		80-120	Pass	
Cadmium			%	93		80-120	Pass	
Chromium			%	92		80-120	Pass	
Copper			%	93		80-120	Pass	
Lead			%	92		80-120	Pass	
Mercury			%	93		80-120	Pass	
Nickel			%	92		80-120	Pass	
Zinc			%	96		80-120	Pass	
LCS - % Recovery								
Heavy Metals								
Arsenic			%	97		80-120	Pass	
Cadmium			%	98		80-120	Pass	
Chromium			%	100		80-120	Pass	
Copper			%	101		80-120	Pass	
Lead			%	99		80-120	Pass	
Mercury			%	104		80-120	Pass	
Nickel			%	99		80-120	Pass	
Zinc			%	101		80-120	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery								
Heavy Metals				Result 1				
Chromium	N24-De0043165	NCP	%	93		75-125	Pass	
Nickel	N24-De0043165	NCP	%	91		75-125	Pass	
Spike - % Recovery								
Heavy Metals				Result 1				
Arsenic	S24-De0049317	СР	%	99		75-125	Pass	
501110	S24-De0049317	<u> </u>	, · · ·	+	 	. 5 . 20	. 455	



Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Copper	S24-De0049317	CP	%	109			75-125	Pass	
Lead	S24-De0049317	CP	%	99			75-125	Pass	
Mercury	S24-De0049317	CP	%	102			75-125	Pass	
Zinc	S24-De0049317	CP	%	104			75-125	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
	Result 1	Result 2	RPD						
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S24-De0049316	СР	uS/cm	110	390	23	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-De0043282	NCP	mg/kg	6.3	5.9	6.0	30%	Pass	
Cadmium	S24-De0043282	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-De0043282	NCP	mg/kg	17	17	3.0	30%	Pass	
Copper	S24-De0043282	NCP	mg/kg	12	12	3.0	30%	Pass	
Lead	S24-De0043282	NCP	mg/kg	17	16	6.0	30%	Pass	
Mercury	S24-De0043282	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-De0043282	NCP	mg/kg	8.7	8.4	4.0	30%	Pass	
Zinc	S24-De0043282	NCP	mg/kg	26	26	<1	30%	Pass	
Duplicate									
Sample Properties	Result 1	Result 2	RPD						
% Moisture	S24-De0049316	СР	%	3.9	2.3	50	30%	Fail	Q15



Comments

Sample Integrity

 Custody Seals Intact (if used)
 N/A

 Attempt to Chill was evident
 Yes

 Sample correctly preserved
 Yes

 Appropriate sample containers have been used
 Yes

 Sample containers for volatile analysis received with minimal headspace
 Yes

 Samples received within HoldingTime
 Yes

 Some samples have been subcontracted
 No

Qualifier Codes/Comments

Code Description

Q15 The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Ursula Long Analytical Services Manager Sayeed Abu Senior Analyst-Asbestos Mickael Ros Senior Analyst-Metal

Ryan Phillips Senior Analyst-Sample Properties Ryan Phillips Senior Analyst-Inorganic

Glenn Jackson Managing Director

Final Report - this report replaces any previously issued Report

- Indicates Not Requested
- * Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please $\underline{\text{click here.}}$

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.



Certificate of Analysis

Environment Testing

Coleman and Adams Environmental Pty Ltd PO Box R1370 The Royal Exchange **NSW 1255**





NATA Accredited Accreditation Number 1261 Site Number 18217

Accredited for compliance with ISO/IEC 17025—Testing NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: Joanna Chen (ALL SRA'S)

1172951-AID Report

Project Name

Project ID 1243.57

Dec 17, 2024 **Received Date** Dec 30, 2024 **Date Reported**

Methodology:

Asbestos Fibre Identification

Conducted in accordance with the Australian Standard AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004 and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques.

NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.

Man-made vitreous fibre (MMVF)

Fibres exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and biosoluble fibres. NOTE: previously known as "synthetic mineral fibre" (SMF). Simple analytical procedures such as polarised light microscopy cannot detect or reliably identify asbestos in some types of commercial products containing asbestos, either because the fibres are below the resolution of optical microscopy or because the matrix material adheres too strongly to the fibres. For these types of products, electron microscopy may be necessary.

Subsampling Soil Samples

The sample submitted is dried and passed through a 10 mm sieve followed by a 2 mm sieve. All fibrous matter greater than 10 mm and greater than 2 mm and the material passing through the 2 mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 g to 60 g, then a subsampling routine based on ISO 3082:2017(E) is employed.

NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be

subsampled for trace analysis, in accordance with AS 5370:2024*.

Bonded asbestoscontaining material (ACM)

The material is first examined, and any fibres are isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 5370:2024*.

NOTE: Even after disintegration, it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.

Limit of Reporting (LOR)

The performance limitation of the AS 5370:2024* method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory limit of reporting, per se. Examination of large sample size (e.g., 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 5370:2024*, and hence, NATA Accreditation does not cover the performance of this service (non-NATA results are shown with an asterisk).

NOTE: NATA News March 2014, p.7, states in relation to AS 4964-2004: "This is a qualitative method with a nominal reporting limit of 0.01 %" and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.



Project Name

Project ID 1243.57

Date Sampled Dec 17, 2024
Report 1172951-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
1243.57.RA1	24-De0049316	Dec 17, 2024	Approximate Sample 62g Sample consisted of: Brown rock material and soil reisude	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
1243.57.RA2	24-De0049317	Dec 17, 2024	Approximate Sample 45g Sample consisted of: Brown rock material, bitumen and soil reisude	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
1243.57.RA3	24-De0049318	Dec 17, 2024	Approximate Sample 56g Sample consisted of: Brown rock material, bitumen and soil reisude	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
1243.57.RA4	24-De0049319	Dec 17, 2024	Approximate Sample 45g Sample consisted of: Brown rock material and soil reisude	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
1243.57.RA5	24-De0049320	Dec 17, 2024	Approximate Sample 55g Sample consisted of: Brown rock material and soil reisude	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.



Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

DescriptionTesting SiteExtractedHolding TimeAsbestos - LTM-ASB-8020SydneyDec 19, 2024Indefinite



Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

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Canberra Unit 1.2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466

> Asbes Condurec.)

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> Metal Moist

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Eurofins Environment Testing NZ Ltd NZBN: 9429046024954

> Auckland (Focus) Unit C1/4 Pacific Rise. Mount Wellington, Auckland 1061 +64 9 525 0568 IANZ# 1308

Received:

Due:

Christchurch 43 Detroit Drive Rolleston, Christchurch 7675 +64 3 343 5201 IANZ# 1290

Dec 30, 2024

Dec 17, 2024 7:05 PM

Tauranga 1277 Cameron Road. Gate Pa, Tauranga 3112 +64 9 525 0568 IANZ# 1402

Address:

web: www.eurofins.com.au

Company Name: Coleman and Adams Environmental Pty Ltd

PO Box R1370 The Royal Exchange

Site# 1254

NSW 1255

Project Name: Project ID:

1243.57

Order No.: Report #:

1172951 0424 639 602

Phone: Fax:

Priority: Contact Name:

Auckland

Penrose,

35 O'Rorke Road

Auckland 1061

+64 9 526 4551

IANZ# 1327

15 Day cc All Results/SRA/Invoices

Eurofins Analytical Services Manager: Asim Khan

		stos - AS4964	uctivity (1:5 aqueous extract at 25 °C as	s M8	ure Set				
Sydr	ney Laboratory		Х	Х	Х	Х			
Exte	rnal Laboratory								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	1243.57.RA1	Dec 17, 2024		Soil	S24-De0049316	Χ	Х	Х	Х
2	1243.57.RA2	Dec 17, 2024		Soil	S24-De0049317	Χ	Χ	Х	Х
3	1243.57.RA3	Dec 17, 2024		Soil	S24-De0049318	Χ	Χ	Х	Х
4	1243.57.RA4	Dec 17, 2024		Soil	S24-De0049319	Χ	Х	Х	Х
5	1243.57.RA5	Dec 17, 2024		Soil	S24-De0049320	Χ	Х	Х	Х
Test	Counts		5	5	5	5			



Internal Quality Control Review and Glossary General

- QC data may be available on request.

 All soil results are reported on a dry basis, unless otherwise stated.
- Samples were analysed on an 'as received' basis.
- Information identified on this report with the colour blue indicates data provided by customer that may have an impact on the results
- 5. This report replaces any interim results previously issued

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).

Units

Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (% w/w) Airborne fibre filter loading as Fibres (N) per Fields counted (n) Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (C) % w/w

F/fld

F/mL

Mass, e.g. of whole sample (\mathbf{M}) or asbestos-containing find within the sample (\mathbf{m}) Concentration in grams per kilogram Volume, e.g. of air as measured in AFM ($\mathbf{V} = \mathbf{r} \times \mathbf{t}$) g, kg

g/kg

L, mL

Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (r) Time (t), e.g. of air sample collection period L/min

min

Calculations

 $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{p}\right) \times \left(\frac{1}{p}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{p}\right) \times \left(\frac{1}{p}\right)$ Airborne Fibre Concentration:

Asbestos Content (as asbestos): $\% w/w = \frac{(m \times P_A)}{M}$ Weighted Average (of asbestos): $\%_{WA} = \sum_{r} \frac{(m \times P_A)_x}{r}$

Terms

COC

PCM

Sampling

Weighted Average

Date Reported: Dec 30, 2024

Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 Appendix 2, else

assumed to be 15% in accordance with WA DOH Appendix 2 (PA). This estimate is not NATA-accredited

ACM Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of the

NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.

ΑF Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable

material such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to "non-bonded / friable"

AFM Airborne Fibre Monitoring, e.g., by the MFM.

Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. Amosite

AS

Asbestos Content (as asbestos) Total %w/w asbestos content in asbestos-containing finds in a soil sample (% w/w).

Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004... Chrysotile

Chain of Custody

Crocidolite

Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 5370:2024* Sampling and

qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004...

Sample is dried by heating prior to analysis. Dry

DS Dispersion Staining. Technique required for unequivocal Identification of asbestos fibres by PLM.

FA Fibrous Asbestos, Asbestos-containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become

friable with handling, and any material that was previously non-friable and in a severely degraded condition. For the purposes of the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to distinguish visibly and may be assessed as AF.

Fibre Count Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003

Fibre Identification. Unequivocal identification of asbestos fibres according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials Fibre ID

(ISO 22262-1:2012, MOD), formerly AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos

Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is Friable

outside of the laboratory's remit to assess the degree of friability

HSG248 UK HSE HSG248, Asbestos: The Analysts Guide, 2nd Edition (2021), ISBN: 9780616667079. HSG264 UK HSE HSG264, Asbestos: The Survey Guide (2012), .ISBN: 9780717665020

ISO (also ISO/IEC) International Organization for Standardization / International Electrotechnical Commission.

Microscope constant (K) as derived from the effective filter area of the given AFM membrane used for collecting the sample (A) and the projected eyepiece K Factor

graticule area of the specific microscope used for the analysis (a).

LOR

MFM (also NOHSC:3003) Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, Guidance Note on the Membrane

Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003(2005)].

Man-Made Vitreous Fibre - exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and "bio-soluble fibres. MMVF

NOTE: previously known as "synthetic mineral fibre" (SMF)

NEPM (also ASC NEPM) National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended)

Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.. Organic

Phase Contrast Microscopy. This is used for fibre counting according to the MFM.

Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 5370:2024* Sampling and qualitative identification of asbestos in PLM

bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. Unless otherwise stated, Eurofins are not responsible for sampling equipment or the sampling process.

SRA Sample Receipt Advice

Trace Analysis An analytical procedure is used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.

UK HSE HSG United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.

Unidentified Mineral Fibre Detected. Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according to AS 5370:2024* UMF

Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.. It may include (but is not limited to)

actinolite, anthophyllite, or tremolite asbestos.

WA DOH Reference document for the NEPM. Government of Western Australia, Guidelines for the Assessment, Remediation and Management of Asbestos-

Contaminated Sites in Western Australia (updated 2021), including Appendix Four: Laboratory analysis

Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (%wA)

Eurofins Environment Testing 179 Magowar Road, Girraween NSW, Australia, 2145 Page 5 of 6 ABN: 50 005 085 521 Telephone: +61 2 9900 8400 Report Number: 1172951-AID



Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Chamath JHM Annakkage Senior Analyst-Asbestos

Authorised by:

Sayeed Abu Senior Analyst-Asbestos

Glenn Jackson Managing Director

Final Report - this report replaces any previously issued Report

- Indicates Not Requested
- * Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.



EnviroSales@eurofinsanz.com

Eurofins Environment Testing Australia Pty Ltd

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ABN:	50	005	085	521

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Christchurch Rolleston, Christchurch 7675 IANZ# 1290

Tauranga 1277 Cameron Road Gate Pa, Tauranga 3112 +64 9 525 0568 IANZ# 1402

Sample Receipt Advice

Company name: Contact name:

Project ID:

Coleman and Adams Environmental Pty Ltd

Project name:

cc All Results/SRA/Invoices Not provided 1243.57

Turnaround time: Date/Time received **Eurofins reference**

15 Day Dec 17, 2024 7:05 PM

1172951

Sample Information

A detailed list of analytes logged into our LIMS, is included in the attached summary table.

All samples have been received as described on the above COC.

COC has been completed correctly.

Attempt to chill was evident.

Appropriately preserved sample containers have been used.

Appropriate sample containers have been used.

All samples were received in good condition.

Samples have been provided with adequate time to commence analysis in accordance with the relevant

Sample containers for volatile analysis received with zero headspace.

X Split sample sent to requested external lab.

Some samples have been subcontracted.

N/A Custody Seals intact (if used).

Notes

Please be advised that over the holiday period, the standard TAT has been extended. Results for samples received after the 13th of December will be reported in January 2025. Please contact our ASM team if you have any questions.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Asim Khan on phone: or by email: Asim.Khan@eurofinsanz.com

Results will be delivered electronically via email to cc All Results/SRA/Invoices - enviro@colemanadams.com.au.



9	CHAIN OF CUSTODY RECORD
200	Eurolins Environment Testing ABN 50 005 085 521

Unit F3 Bld.F 16 Mars Road Lane Cove West NSW 2065 02 9900 8400 EnviroSampleNSW@eurofins.com Brisbane Leboratory
Unit 1 21 Smallwood Place Muramie QLD 4172
07 3902 4600 EnviroSampleQLD@eurofins.com

Perth Laboratory
Unit 2 91 Leach Highway Kewdale WA 6105
08 9251 9600 EnviroSampleWA@eurofins.com

Melbourne Laboratory
6 Monterey Road Dandenong South VIC 3175
03 8564 5000 EnviroSampleVic@eurofins.com

	Company Coleman Adams Environmental			Projec	ct Nº	1243.57						Project	l Manager							Sampler(s)				1						
				Project	t Name							EDD ESdat	Format EQuIS etc							Handed over by			,	J Lu						
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Co	ontact Name	J Chen		otal" or Tril											13	11.				Em	ail for F	Result	s e	nvir	0@0	cole	manadam	s.com.au		
	Phone №			is specify "T							-		-		H						Change		ontaine ctype &	rs size if ne	cessary.			around Time (TAT) 5 days if not ticked.		
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Pu	rchase Order			metals an		se									ħ.					500mL Plastic	250mL Plastic	125mL Plastic	Zooml, Amber Glass	Somi, PFAS Bottle	Jar (Glass or HDPE)	4964, WA	☐ 2 dayş♦ 2 5 days (Stand	☐ 3 days◆ ard)		
(Quote ID №	NSW-24-0157-COL		Where		Met	SID													500mL	250mL	125mL	40ml A	Obml. Pl	ar (Glas	estos AS	Other()		
N≘		Client Sample ID	Sampled Date/Time dd/mml/yy hh.mm	Matrix Solid (S) Water (W)	<u></u>	8 Heavy Metals	Asbestos ID				6												Ri .	10	49	Other (Asbestos AS4864, WA Qui		Comments ods Hazard Warning		
1	1243.5	7.RA1	17.12.2024	S	V	~	/																							
2	1243.5	7.RA2	17.12.2024	s	/	~	/																							
3	1243.5	7.RA3	17.12.2024	S	1	1	/																							
á	1243.57	7.RA4	17.12.2024	s	/	V	/						T.																	
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9						1																								
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		Received By			SYD	BNE ME	L PER	ADL NT	LIDRW	Sign	nature	4				Da	ne	1. "			Tim	e.					Report No		4	

Eurofins Environment Testing Australia Pty Ltd

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | Environment Testing Standard Terms and Conditions unless agreed otherwise. A copy is available on request

1172951



Unit 3 /112 Fairfield Street, Fairfield East NSW 2165

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FOREIGN MATERIALS CONTENT TEST REPORT

METHOD RMS: T276

			13. 12/0				
Client:	Coleman Adams Environmental P/L						
Project :	Materials Testing						
Location:			Gow St				
Project No.		LCAE242/ C	lient Project	No. 1243.57			
Date Reported:			23/12/2024				
Report No.			LCAE242-1				
TEST METHOD		RMS T276					
Sam	ple Number	1243.57.RA1	1243.57.RA2	1243.57.RA3	1243.57.RA4	1243.57.RA5	
	e Sampled	17/12/2024	17/12/2024	17/12/2024	17/12/2024	17/12/2024	
Sample Location / Source		Sampled by Client	Sampled by Client	Sampled by Client	Sampled by Client	Sampled by Client	
Material Description		Gravel - Grey	Gravel - Grey	Gravel - Grey	Gravel - Grey	Gravel - Grey	
Foreign	Material Type	Percentage Retained (%)					
	PE 1			Ū	,		
		0.0	0.0	0.0	0.0	0.0	
	Metal						
<u>TY</u> !	PE 2						
Plaster		0.0	0.0	0.0	0.0	0.0	
TYPE 3 Rubber, Plastic, Bitumen, Paper, Cloth, Paint, Wood and other Vegetable Matter		0.0	0.0	0.0	0.0	0.0	
NOTES: Laboratory Test Date: 21/12/24 - Variation to test method T276 = foreign material types tested as requested by client	NATA Accred	17025- Testing Sign:					

SHEET ID: REP7- Foreign Mat.Rev2

Accreditation No: 20097 Date Revised: 10/10/2023

Material Test Report

Report Number: DE-737-2

Issue Number:

Date Issued: 13/11/2024

Gow Street Recycling Centre Client:

81 Gow Street, Padstow NSW 2211

Contact: Mick Muscat 0414447705

DE-737 **Project Number: Project Name:** Padstow

81 Gow Street, Padstow **Project Location:** Gow Street Recycling Centre Contractor:

6308 Work Request: Sample Number: S-6308A 26/09/2024 **Date Sampled:**

Dates Tested: 26/09/2024 - 15/10/2024

Sampling Method: Sampled by Client

The results apply to the sample as received

Preparation Method: In accordance with the test method

Class1 DGB20 Remarks:

Dry Density - Moisture Relationship (AS 1289 5.1.1 & 2.1.1)			Max
Mould Type	1 LITRE MOULD A		
Compaction	Standard		
Maximum Dry Density (t/m ³)	1.73		
Optimum Moisture Content (%)	15.0		
Oversize Sieve (mm)	19.0		
Oversize Material Wet (%)	0		
Method used to Determine Plasticity	visual		
Curing Hours (h)	2.0		

Moisture Content (AS 1289 2.1.1)	
Moisture Content (%)	10.6

Atterberg Limit (AS1289 3.1.2 & 3.2.1 & 3.3.1)			Max
Sample History	Oven Dried		
Preparation Method	Dry Sieve		
Liquid Limit (%)	19		
Plastic Limit (%)	13		
Plasticity Index (%)	6		

Particle Size	Distribution (A	\S1141.1	1.1)			
Sample Washing	Sample was Washed					
Sieve	Passed %	Passing Limits		Retained %	Retained Limits	
75 mm	100			0		
63 mm	100			0		
53 mm	100			0		
37.5 mm	100			0		
26.5 mm	100			0		
19 mm	97			3		
13.2 mm	88			9		
9.5 mm	77			11		
6.7 mm	66			12		
4.75 mm	55			11		
2.36 mm	40			15		
1.18 mm	31			9		
0.6 mm	25			6		
0.425 mm	23			2		
0.3 mm	12			11		
0.15 mm	10			2		
0.075 mm	9			1		

Report Number: DE-737-2



Down to Earth Geotechnical & Environmental

Down to Earth Geotechnical & Environmental Pty Ltd

Sydney Laboratory

11/93-97 Newton Road Wetherill Park NSW 2570

Phone: (02) 9756 0404

Email: jesse@d2egeo.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Jesse Gao

Lab Manager

NATA Accredited Laboratory Number: 19788

Particle Shape (AS 1141.14)		Min	Max
Proportional Caliper	2:1		_
Misshapen Particles %	28		
Wet / Dry Strength Variation (AS 1	Min	Max	
Dry Strength (kN)	147		
Wet Strength (kN)	96		
Variation (%)	34		
Nominal Size of Aggregate (mm)	19		
Fraction Tested (mm)	-13.2mm +9.5mm		
Test Cylinder Size (mm)	75		
Breakdown	No		
Nature of Bulk Sample	Production Sample		
Duplicate Testing Performed ?	No		

Material Test Report

Report Number: DE-737-2

Issue Number:

Date Issued: 13/11/2024

Gow Street Recycling Centre Client:

81 Gow Street, Padstow NSW 2211

Contact: Mick Muscat 0414447705

DE-737 **Project Number: Project Name:** Padstow

81 Gow Street, Padstow **Project Location:** Gow Street Recycling Centre Contractor:

Work Request: 6308

Dates Tested: 26/09/2024 - 03/10/2024 Sampling Method: Sampled by Client

The results apply to the sample as received

Preparation Method: In accordance with the test method

Remarks: Class1 DGB20

Location: Gow Street

Report Number: DE-737-2



Down to Earth Geotechnical & Environmental

Down to Earth Geotechnical & Environmental Pty Ltd

Sydney Laboratory

11/93-97 Newton Road Wetherill Park NSW 2570

Phone: (02) 9756 0404

Email: jesse@d2egeo.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Jesse Gao Lab Manager

NATA Accredited Laboratory Number: 19788

Unconfined Compressive Strength ((RMS T116 & T120)		Min	Max
Sample Number	S-6308A			
Sample Depth	**			
Material	**			
Date Sampled	26/09/2024			
Date Tested	03/10/2024			
Location	**			
Mass Retained 19.0mm Sieve (%)	0			
Curing Details	7 Days Accelerate curing			
Condition After Curing	Dry			
Method of Addition	**			
Elapsed Time for Binder (hh:mm)	**			
Additive Source	**			
Additive Type	**			
Additive Content (%)	**			
Compactive Effort	Standard			
Moisture Content 1 (%)	15.5			
Moisture Content 2 (%)	14.5			
Cap Used 1	None			
Cap Used 2	None			
Defects 1	None			
Defects 2	None			
Target Dry Density (t/m ³)	1.73			
Dry Density 1 (t/m ³)	1.75			
Dry Density 2 (t/m ³)	1.78			
UCS Cylinder 1 (MPa)	0.50		1	
UCS Cylinder 2 (MPa)	0.40			
UCS Average (MPa)	0.4			
Remarks	**			



Attachment C Photographs



Photograph 1: Stockpile of DGB20 at source site.



Photograph 2: Recycled DGB20 at source site.