

Report No: MAT:CAN25S-17403

Issue No: 1

Material Test Report

Client:

Road Metals Company Limited
PO Box 212
Christchurch Mail Centre

Oamaru 9400
NZ

Project: QA Testing - Road Metals Co Ltd



The tests reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. Samples are tested as received, in natural condition, unless stated otherwise in the comments. This report may only be reproduced in full.

Approved Signatory: Liam Brennan
(Laboratory Operations Manager)
IANZ Accreditation No:200
Date of Issue: 3/09/2025

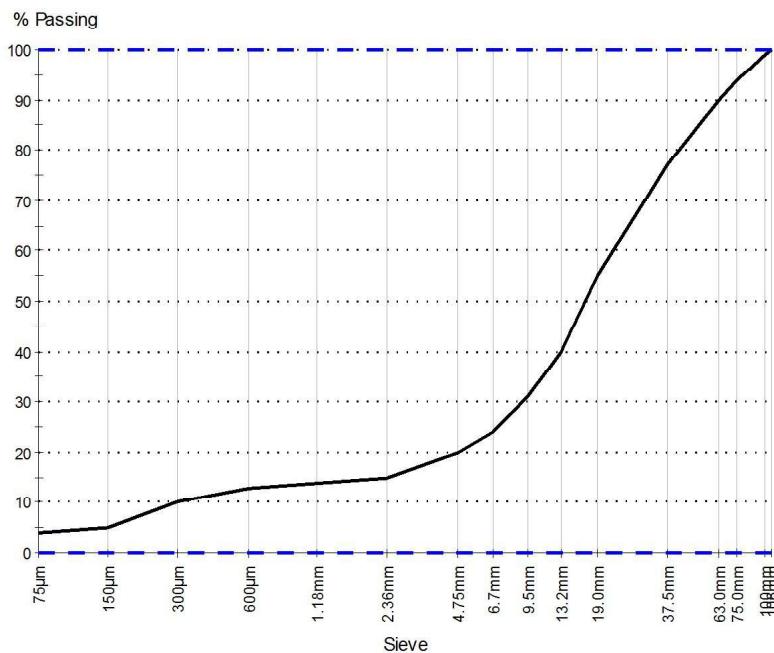
Sample Details

Sample ID: CAN25S-17403
Client Sample ID: 915-LR-328
Material: Pit Run
Sample Source: Miscellaneous Material Source
Site/Sampled From: Road Metals Rolleston Quarry
Date Sampled: 29/08/2025
Specification: No Specification
Sampled By: Advised - See Comments
Sampling Method: NZS 4407:2015 2.4.6.3.1 (SP/WG/HAND)
Technician: Liam Brennan
Sampling Endorsed?: No

Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	NZS 4407:2015 Test 3.1	5.5	
Date Tested		1/09/2025	
Plasticity Index	NZS 4407:2015 3.4	NP	
Plastic Limit	NZS 4407:2015 3.3	NP	
Cone Penetration Limit	NZS 4407:2015 3.2	25	
	NZS 4407:2015 Tests 3.2-3.4		
Sample History		Natural State	
Test performed on		Fraction passing 425µm sieve	
Date Tested			1/09/2025

Particle Size Distribution



Method: NZS 4407:2015 Test 3.8.1

Drying By: Oven

Date Tested: 1/09/2025

Tested By: Liam Brennan

Note: ^a Obtained by difference.

Sieve Size	% Passing	Limits
106mm	100	0 – 100
100mm	99	0 – 100
75.0mm	94	0 – 100
63.0mm	90	0 – 100
37.5mm	77	0 – 100
19.0mm	55	0 – 100
13.2mm	40	0 – 100
9.5mm	31	0 – 100
6.7mm	24	0 – 100
4.75mm	20	0 – 100
2.36mm	15	0 – 100
1.18mm	14	0 – 100
600µm	13	0 – 100
300µm	10	0 – 100
150µm	5	0 – 100
75µm	4 ^a	0 – 100

Comments

NP = Non Plastic

Material sampled by Blair Ferguson.

Report No: MDD:CAN25S-17404
Issue No: 1

Maximum Dry Density Report

Client:

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 PO Box 212
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Oamaru 9400
 NZ

Project: QA Testing - Road Metals Co Ltd
 

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Sample Details

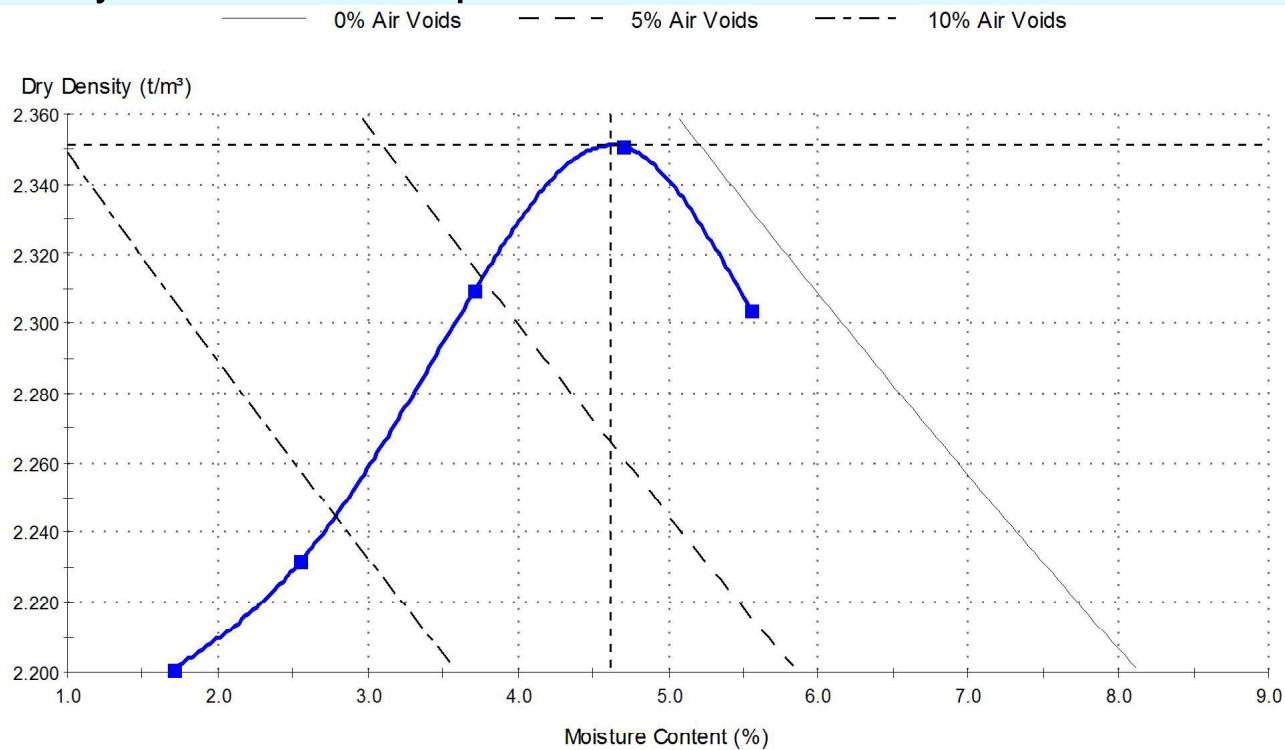
Sample ID:	CAN25S-17404	Client Sample ID:	915-LR-328
Material:	Pit Run	Sample Source:	Miscellaneous Material Source
Site/Sampled From:	Road Metals Rolleston Quarry	Date Sampled:	29/08/2025
Specification:	Vibrating Hammer Compaction Test	Sampled By:	Advised - See Comments
Sampling Method:	NZS 4407:2015 2.4.6.3.1 (SP/WG/HAND)	Date Tested:	02/09/2025
Tested By:	Liam Brennan	Sampling Endorsed?:	No

Test Results

NZS 4402:1986 Test 4.1.3 - 1986

Maximum Dry Density (t/m ³):	2.36	Optimum Moisture Content (%):	4.6
Solid Density (t/m ³):	2.68 assumed	Fraction Tested Passes (mm):	37.5
Material Removed (%):	23	Sample History:	Natural

Dry Density - Moisture Relationship



Comments

Compaction for test points @ 5.6% ceased prior to 3 minutes due to oversaturation causing ejection of fines from sample.
 Material sampled by Blair Ferguson.