

Report No: MAT:CAN25S-22301

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: 6/11/2025

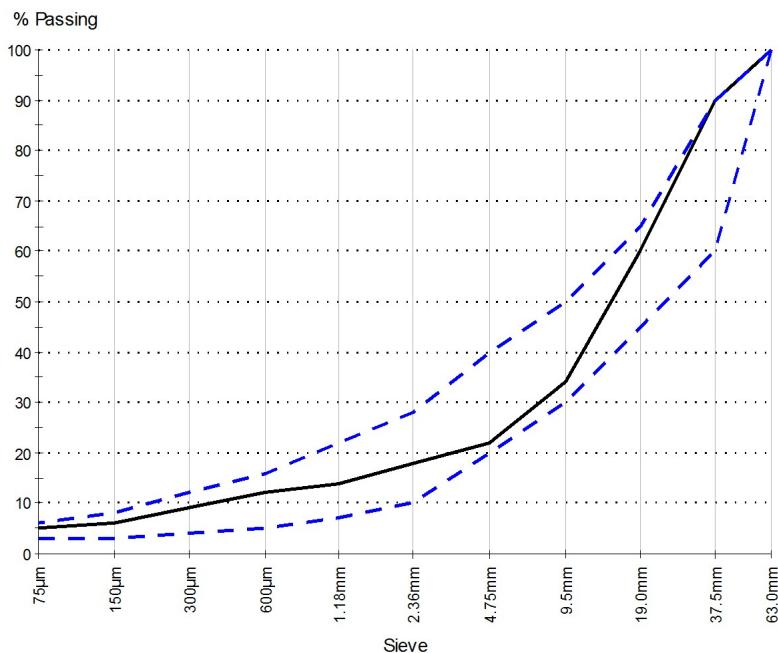
## Sample Details

**Sample ID:** CAN25S-22301  
**Client Sample ID:** 915-LR-416  
**Material:** CCC AP65  
**Sample Source:** Road Metals - Rolleston Quarry  
**Site/Sampled From:** Rolleston Quarry  
**Date Sampled:** 31/10/2025  
**Specification:** CCC - AP65 2019  
**Sampled By:** Advised - See Comments  
**Sampling Method:** NZS 4407:2015 2.4.6.3.1 (SP/WG/HAND)  
**Technician:** Bailey Chiverton  
**Sampling Endorsed?:** No

## Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	NZS 4407:2015 Test 3.1	3.7	
Date Tested		4/11/2025	
Clay Index	NZS 4407:2015 Test 3.5	1.7	
Date Tested		5/11/2025	

## Particle Size Distribution



**Method:** NZS 4407:2015 Test 3.8.1

**Drying By:** Oven

**Date Tested:** 4/11/2025

**Tested By:** Bailey Chiverton

**Note:** <sup>a</sup> Obtained by difference.

Sieve Size	% Passing	Limits
63.0mm	100	100 – 100
37.5mm	90	60 – 90
19.0mm	60	45 – 65
13.2mm	45	
9.5mm	34	30 – 50
6.7mm	27	
4.75mm	22	20 – 40
2.36mm	18	10 – 28
1.18mm	14	7 – 22
600µm	12	5 – 16
425µm	11	
300µm	9	4 – 12
150µm	6	3 – 8
75µm	5 <sup>a</sup>	3 – 6

## Comments

Material sampled by Blair Ferguson.

Report No: MDD:CAN25S-22302

Issue No: 1

## Maximum Dry Density 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: 6/11/2025

### Sample Details

Sample ID:	CAN25S-22302	Client Sample ID:	915-LR-416
Material:	CCC AP65	Sample Source:	Road Metals - Rolleston Quarry
Site/Sampled From:	Rolleston Quarry	Date Sampled:	31/10/2025
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:	04/11/2025
Tested By:	Bailey Chiverton	Sampling Endorsed?:	No

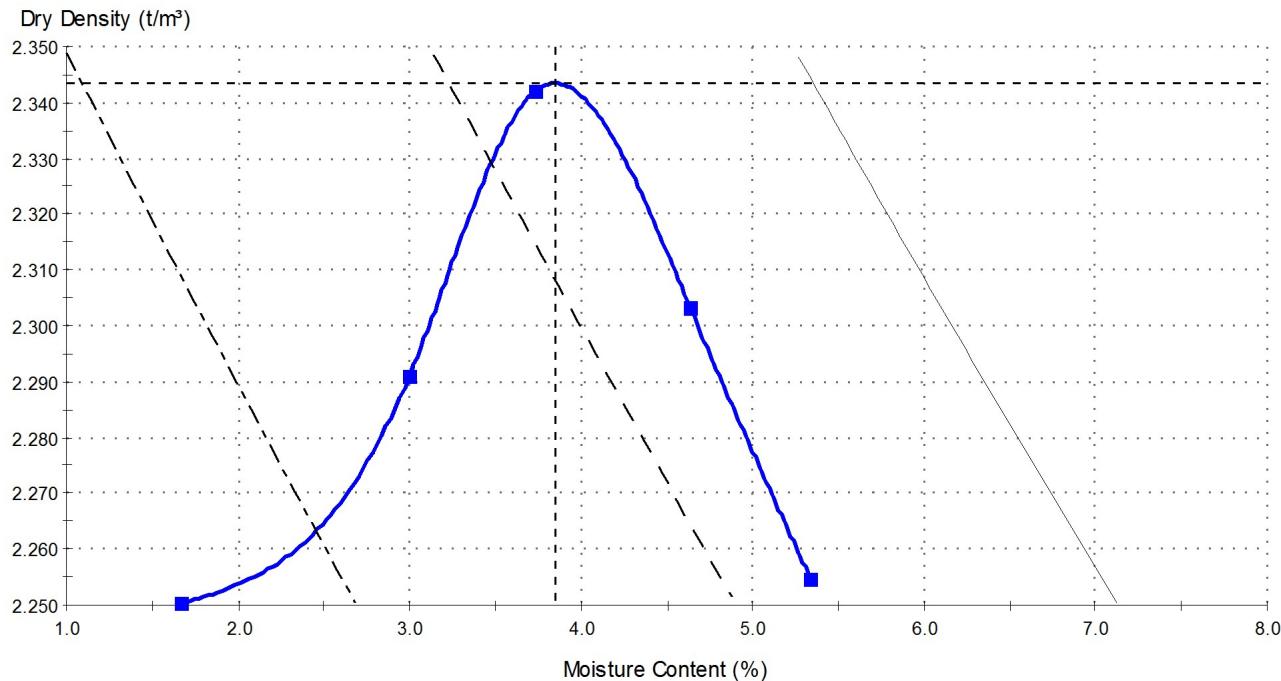
### Test Results

NZS 4402:1986 Test 4.1.3 - 1986

Maximum Dry Density (t/m <sup>3</sup> ):	2.34	Optimum Moisture Content (%):	3.8
Solid Density (t/m <sup>3</sup> ):	2.68 assumed	Fraction Tested Passes (mm):	37.5
Material Removed (%):	10	Sample History:	Natural

### Dry Density - Moisture Relationship

— 0% Air Voids    - - - 5% Air Voids    - - - - 10% Air Voids



### Comments

Compaction for test points @ 4.6% & 5.3% ceased prior to 3 minutes due to oversaturation causing ejection of fines from sample.  
Material sampled by Blair Ferguson.