

Report No: MAT:CAN25S-22301

Issue No: 1

# Material Test Report

**Client:**Road Metals Company Limited  
PO Box 212  
Christchurch Mail CentreOamaru 9400  
NZ**Project:**

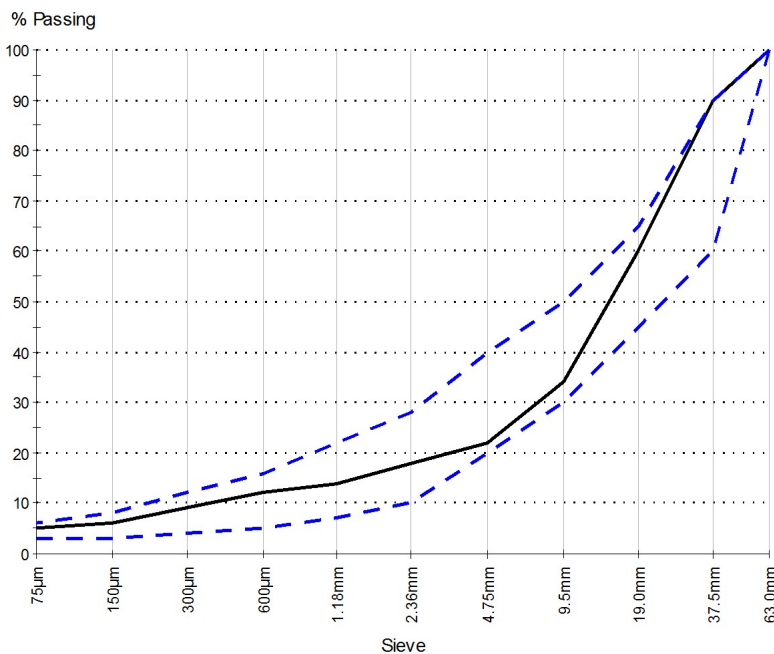
QA Testing - Road Metals Co Ltd

The results in this report  
relate only to the items /  
samples that were testedThe 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

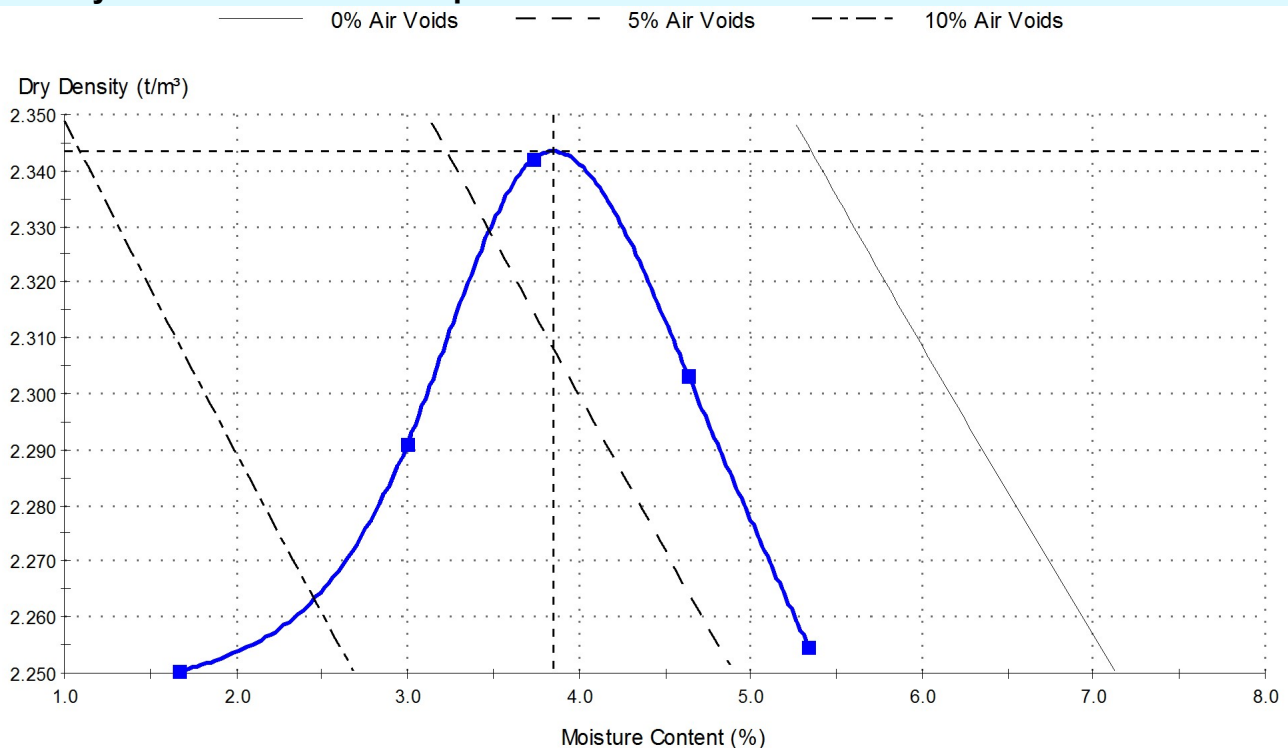
# Maximum Dry Density Report

**Client:**Road Metals Company Limited  
PO Box 212  
Christchurch Mail CentreOamaru 9400  
NZ**Project:**

QA Testing - Road Metals Co Ltd

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samples that were testedThe 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**Material:** CCC AP65**Site/Sampled From:** Rolleston Quarry**Specification:** Vibrating Hammer Compaction Test**Sampling Method:** NZS 4407:2015 2.4.6.3.1 (SP/WG/HAND)**Tested By:** Bailey Chiverton**Client Sample ID:** 915-LR-416**Sample Source:** Road Metals - Rolleston Quarry**Date Sampled:** 31/10/2025**Sampled By:** Advised - See Comments**Date Tested:** 04/11/2025**Sampling Endorsed?:** No**Test Results**

NZS 4402:1986 Test 4.1.3 - 1986

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