

Project : Quality Assurance  
Location : Production Stock  
Client : Road Metals Company Limited  
Contractor : Various  
Sampled by : Paul Campbell (Road Metals)  
Date sampled : 9 October 2025  
Sampling method : NZS4407:2015 2.4.7  
Sample description : NZTA M/4 AP20  
Sample condition : Damp as received  
Source : Yaldhurst Quarry

Project No : 6-JRMCO.16/6LC  
Lab Ref No : CH13221  
Client Ref No : 910-LR-381

Particle Size Distribution		
Sieve Size (mm)	Percentage Passing	
	Sample	Limits
53.0	-	-
37.5	-	-
26.5	-	-
19.0	100	100 - 100
9.5	67	55 - 75
4.75	41	33 - 55
2.36	28	22 - 42
1.18	21	14 - 31
0.600	18	8 - 23
0.300	13	5 - 16
0.150	8	0 - 12
0.075	6	0 - 8

% passing the finest sieve is obtained by difference

Grading Shape Control		
Fraction (mm)	% Within Fraction	
	Sample	Limits
37.5 - 9.50	-	-
19.0 - 4.75	59	-
9.5 - 2.36	39	20 - 46
4.75 - 1.18	20	9 - 34
2.36 - 0.600	11	6 - 26
1.18 - 0.300	8	3 - 21
0.600 - 0.150	9	2 - 17

Plasticity Index		
Sample PI	Not Tested	Specification
		<=5

Crushing Resistance		
% Fines @ Spec. Load Specification	Not Tested	%
Crushing Resistance	-	%
Nom Aggregate Size	-	kN
Specified Load	130	kN

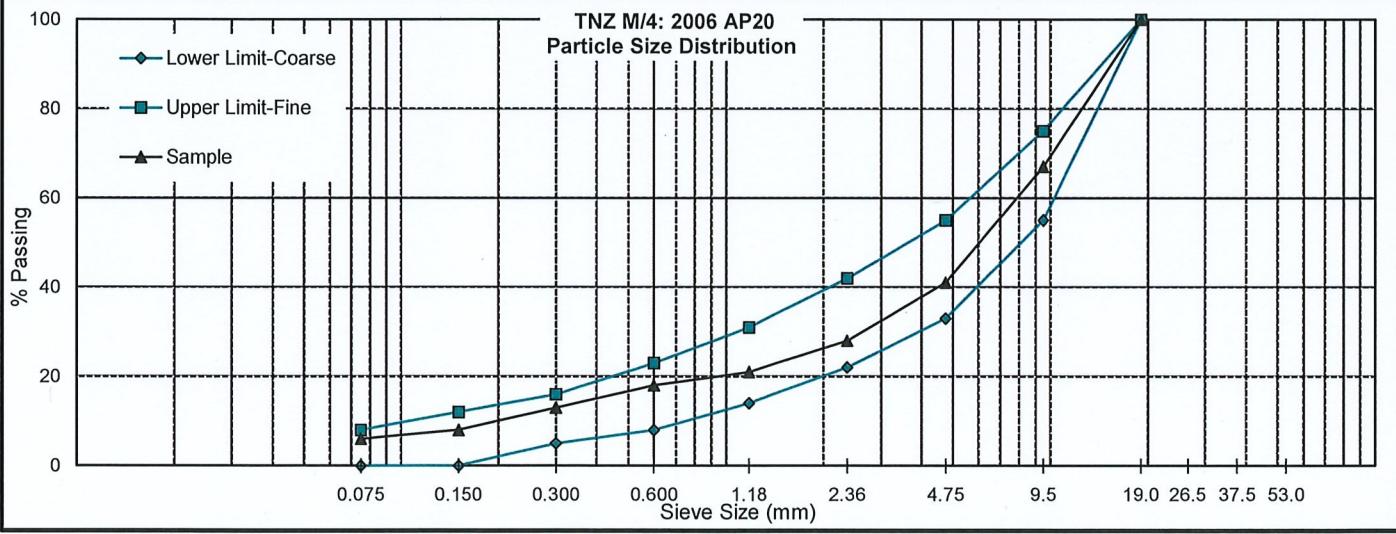
  

Broken Faces Content of Aggregate		
Fraction (mm)	Percentage by Weight	
	Sample	Lower Limit
37.5 - 19.0	Not Tested	70
19.0 - 9.5	78	70
9.5 - 4.75	84	70

Flakiness Index	
Sample FI Specification	Not Tested

Clay Index	
Sample CI Specification	Not Tested
Sample from	<=3
	Nat Fines / Rock Powder

Sand Equivalent	
Sample SE Specified	Not Tested
Sample Preparation	>=40
	Washed, Mechanical Shaking



Test Methods	Notes
Particle Size Distribution - NZS 4407 : 2015 : Test 3.8.1 Broken faces- NZS 4407: 2015: Test 3.14	All information supplied by Client Sampling is covered by IANZ Accreditation This report may only be reproduced in full

Date tested : 10 October 2025  
Date reported : 10 October 2025

Approved Signatory  
Designation : Laboratory Manager  
Date : 10 October 2025  
PF-LAB-040 (23/09/2025)



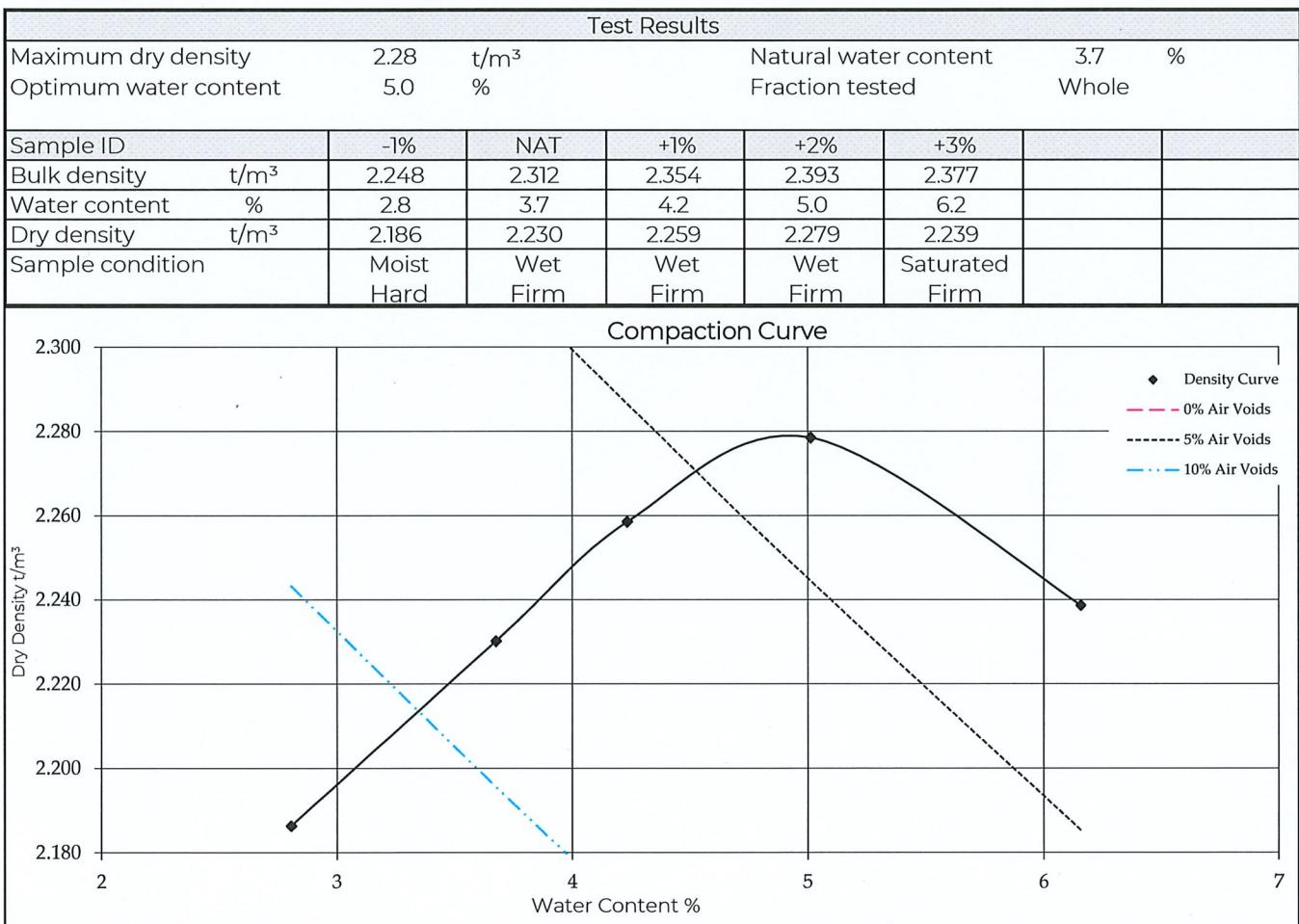
All tests reported herein  
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laboratory's scope of  
accreditation

DRY DENSITY / WATER CONTENT RELATIONSHIP  
VIBRATING COMPACTION



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 Contractor : Various  
 Sampled by : Paul Campbell (Road Metals)  
 Date sampled : 9 October 2025  
 Sampling method : NZS 4407: 2015 (2.4.7)  
 Sample description : NZTA M/4 AP20  
 Sample condition : Damp as received  
 Solid density : 2.68 t/m<sup>3</sup> (Assumed)  
 Source : Yaldhurst Quarry

Project No : 6-JRMCO.16/6LC  
 Lab Ref No : CH13221  
 Client Ref No : 910-LR-381



Test Methods	Notes
Compaction NZS 4402 : 1986 : Test 4.1.3	All information supplied by Client

Date tested : 9 October 2025  
 Date reported : 21 October 2025

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Approved Signatory

Designation : Laboratory Manager  
 Date : 21 October 2025



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