

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 : NZS 4407: 2015 (2.4.7)  
 Sample description : CCC AP65  
 Sample condition : Damp as received  
 Source : Yaldhurst Quarry

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH13223
Client Ref No :	910-LR-383

Particle Size Distribution			
Sieve Size (mm)	Percentage Passing		
	Sample	Lower Limit - Coarse	Upper Limit - Fine
63.0	100	100	100
37.5	89	60	90
19.0	60	45	65
9.5	39	30	50
4.75	27	20	40
2.36	16	10	28
1.18	12	7	22
0.600	10	5	16
0.300	8	4	12
0.150	5	3	8
0.075	4	3	6

% passing the finest sieve is obtained by difference

Crushing Resistance		
% Fines @ Spec. Load	-	%
Specification	-	%
Crushing Resistance	-	kN
Nom Aggregate Size	-	mm
Specified Load	-	kN

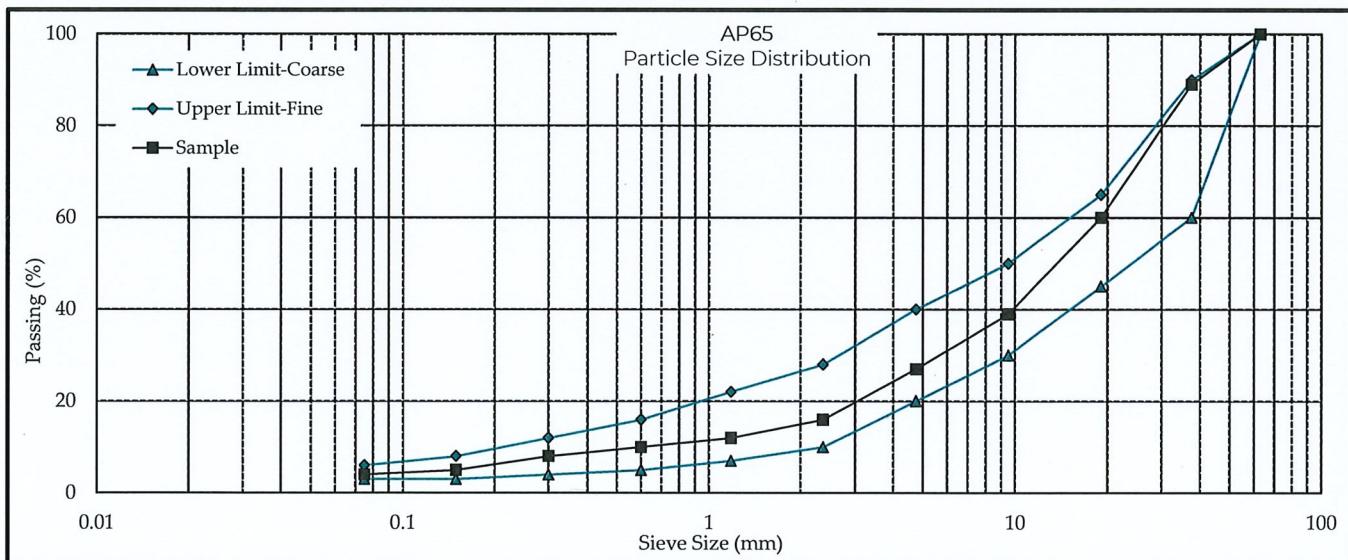
  

Broken Faces Content of Aggregate		
Fraction (mm)	Percentage by Weight	
	Sample	Lower Limit
65.0 - 37.5	-	
37.5 - 19.0	36	
19.0 - 9.5	31	
9.5 - 4.75	46	

Plasticity Index	
Sample PI Specification	- <= 5

Clay Index	
Sample CI Specification	- <= 3

Sand Equivalent (Washed, Mechanical Shaking)	
Sample SE Specified	- >= 40



Test Methods		
Particle Size Distribution	NZS 4407 : 2015 : Test 3.8.1	Broken Faces Content of Aggregate NZS 4407 : 2015 : Test 3.14

Date tested : 14 October 2025 Sampling is covered by IANZ Accreditation  
 Date reported : 21 October 2025 This report may only be reproduced in full

IANZ Approved Signatory

Designation : Laboratory Manager  
 Date : 21 October 2025



Test results indicated as not accredited are outside the scope of the laboratory's accreditation

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DRY DENSITY / WATER CONTENT RELATIONSHIP  
VIBRATING COMPACTION



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 : NZS 4407: 2015 (2.4.7)  
 Sample description : CCC AP65  
 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 : CH13223  
 Client Ref No : 910-LR-383

Test Results						
Maximum dry density	2.32	t/m <sup>3</sup>	Natural water content			4.5 %
Optimum water content	5.2	%	Fraction tested			Passing 37.5mm
Sample ID	-2%	-1%	Nat	+1%	+2%	
Bulk density t/m <sup>3</sup>	2.261	2.311	2.364	2.433	2.405	
Water content %	2.2	3.4	4.5	5.3	6.1	
Dry density t/m <sup>3</sup>	2.213	2.236	2.263	2.312	2.267	
Sample condition	Moist Hard	Wet Firm	Wet Firm	Wet Firm	Saturated Firm	
Compaction Curve						
2.320	◆ Density Curve					
2.300	-	-	-	-	-	
2.280	-	-	-	-	-	
2.260	-	-	-	-	-	
2.240	-	-	-	-	-	
2.220	-	-	-	-	-	
2.200	-	-	-	-	-	
1	2	3	4	5	6	7
Dry Density t/m <sup>3</sup>						
Water Content %						

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

Date tested : 17 October 2025  
 Date reported : 21 October 2025

Sampling is covered by IANZ Accreditation  
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Approved Signatory

Designation : Laboratory Manager  
 Date : 21 October 2025



All tests reported herein  
 have been performed in  
 accordance with the  
 laboratory's scope of  
 accreditation