AP65
TEST REPORT

Project :	Quality Assurance
Location :	Production Stock
Client :	Road Metals Company Limited
Contractor :	Various
Sampled by :	Steve
Date sampled :	28 November 2024
Sampling method :	NZS 4407:2015 (2.4.6.3.2)
Sample description :	Pitrun
Sample condition :	Damp as received
Source :	Rolleston Quarry

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH12161
Client Ref No :	915-165

Particle Size Distribution

Sieve Size (mm)	Percentage Passing		
	Sample	Lower Limit - Coarse	Upper Limit - Fine
106.0	91	-	-
75.0	84	-	-
37.5	57	-	-
9.5	22	-	-
4.75	14	-	-
2.36	11	-	-
1.18	9	-	-
0.600	8	-	-
0.300	6	-	-
0.150	4	-	-
0.075	3	-	-

% 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	-	-
19.0 - 9.5	-	-
9.5 - 4.75	-	-

Plasticity Index

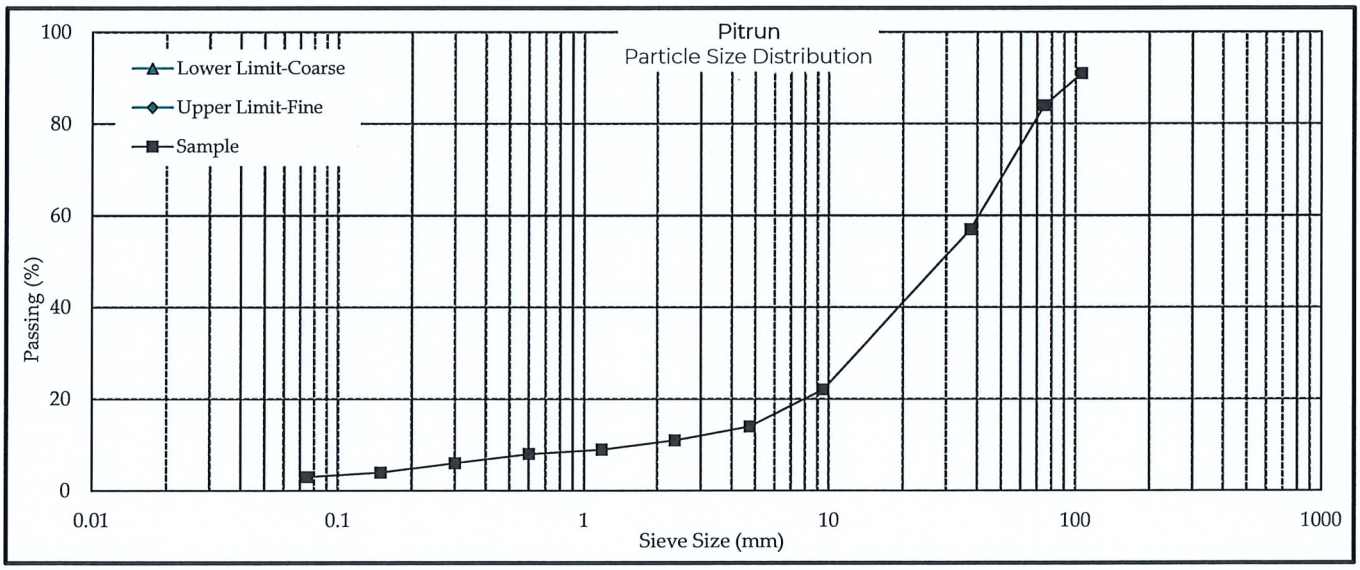
Sample PI	Non Plastic
Specification	-

Clay Index

Sample CI	1.0
Specification	-

Sand Equivalent (Air Dried, Mechanical Shaking)

Sample SE	-
Specified	-



Test Methods

Plasticity Index	NZS 4407 : 2015 : Test 3.4	Broken Faces Content of Aggregate	NZS 4407 : 2015 : Test 3.14
Particle Size Distribution	NZS 4407 : 2015 : Test 3.8.2	Clay Index	NZS 4407 : 2015 : Test 3.5

Date tested : 11 December 2024
Date reported : 19 December 2024

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.
This report may only be reproduced in full
All information supplied by Client

Approved Signatory

Designation : *Senior Civil Engineering Technician*
Date : 19 December 2024

ACCREDITED IANZ TESTING LABORATORY

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

WSP
Christchurch (Hayton Rd)
Quality Management Systems Certified to ISO 9001

52C Hayton Rd
PO Box 1482, Christchurch Mail Centre, 8140,
Christchurch, New Zealand

Telephone 03 343 0739
Website www.wsp.com/nz

DRY DENSITY / WATER CONTENT RELATIONSHIP
VIBRATING COMPACTION

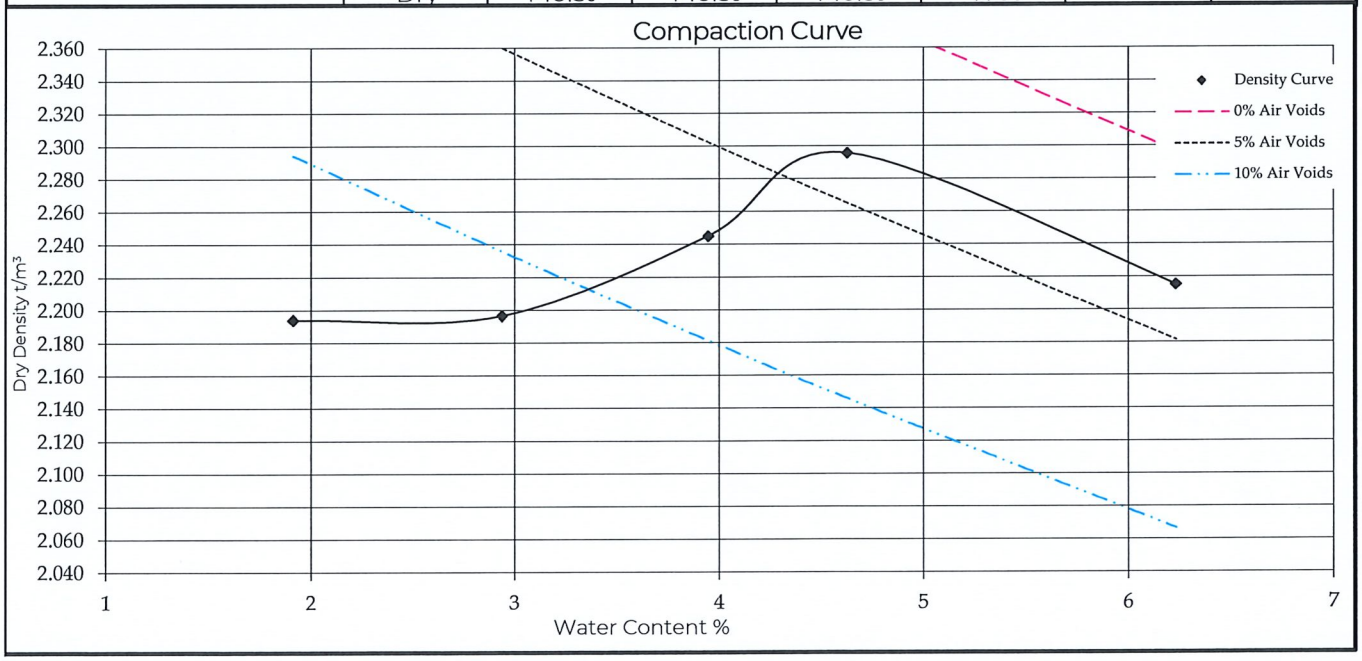
Project :	Quality Assurance
Location :	Production Stock
Client :	Road Metals Company Limited
Contractor :	Various
Sampled by :	Steve
Date sampled :	28 November 2024
Sampling method :	NZD 4407:2015 (2.4.6.3.2)
Sample description :	Pitrun
Sample condition :	Damp as received
Solid density :	2.68 t/m³ (Assumed)
Source :	Rolleston Quarry

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH12161
Client Ref No :	915-165

Test Results

Maximum dry density	2.30	t/m³	Natural water content	3.9 %
Optimum water content	4.6	%	Fraction tested	Whole

Sample ID		-2%	-1%	Nat	+1%	+2%		
Bulk density	t/m³	2.236	2.261	2.334	2.402	2.353		
Water content	%	1.9	2.9	3.9	4.6	6.2		
Dry density	t/m³	2.194	2.197	2.245	2.296	2.215		
Sample condition		Firm Dry	Firm Moist	Hard Moist	Hard Moist	Firm Wet		



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

Date tested : 9 December 2024
Date reported : 17 December 2024

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Approved Signatory

Designation : *Senior Civil Engineering Technician*
Date : 17 December 2024

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WSP
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PLASTICITY INDEX FOR AGGREGATES
TEST REPORT

Project :	Quality Assurance
Location :	Production Stock
Client :	Road Metals Company Limited
Contractor :	Various
Sampled by :	Steve
Date sampled :	28/11/24
Sampling method :	NZS 4407:2015 (2.4.6.3.2)
Sample description :	Pitrun
Sample condition :	Damp as received
Source :	Rolleston Quarry

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH12161
Client Ref No :	915-165

Test Results	
Client Ref No :	915-165
Cone penetration limit :	29
Plastic limit :	Unable to Roll Threads
Plasticity index :	NP
Sample fraction :	Fraction passing 425µm test sieve

Test Methods	
Cone Penetration	NZS 4407 : 2015 : Test 3.2
Plastic Limit	NZS 4407 : 2015 : Test 3.3
Plasticity Index	NZS 4407 : 2015 : Test 3.4

Date tested : 11 December 2024
Date reported : 17 December 2024

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Approved Signatory

Designation : *Senior Civil Engineering Technician*
Date : 17 December 2024

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