



A TETRA TECH COMPANY

East Tamaki Laboratory

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Material Test Report

Report No: ETAM17S-12235-1

Issue No: 1

Client: Landscaping Direct Ltd
PO Box 1629
Taupo 3351

Principal: Shaun Fredricksen
Project No.: 773-ETAM00534AA
Project Name: Scoria Properties Testing - Takanini
Lot No.: TRN:

Tests indicated as not accredited are outside the scope of the laboratory's accreditation.
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Approved Signatory: Ramir Casidsid
(Laboratory Team Leader)
IANZ Accredited Laboratory Number: 105
Date of Issue: 7/12/2017

Sample Details

Sample ID: ETAM17S-12235
Client Sample: SAP 50
Date Sampled:
Source: Unknown (Sampled by Client)
Material: SAP 50 Scoria Aggregates
Specification: No Specification
Sampling Method: Unknown (Not IANZ Endorsed)
Project Location: 35 Rangi Road, Takanini
Sample Location: Not Specified

Other Test Results

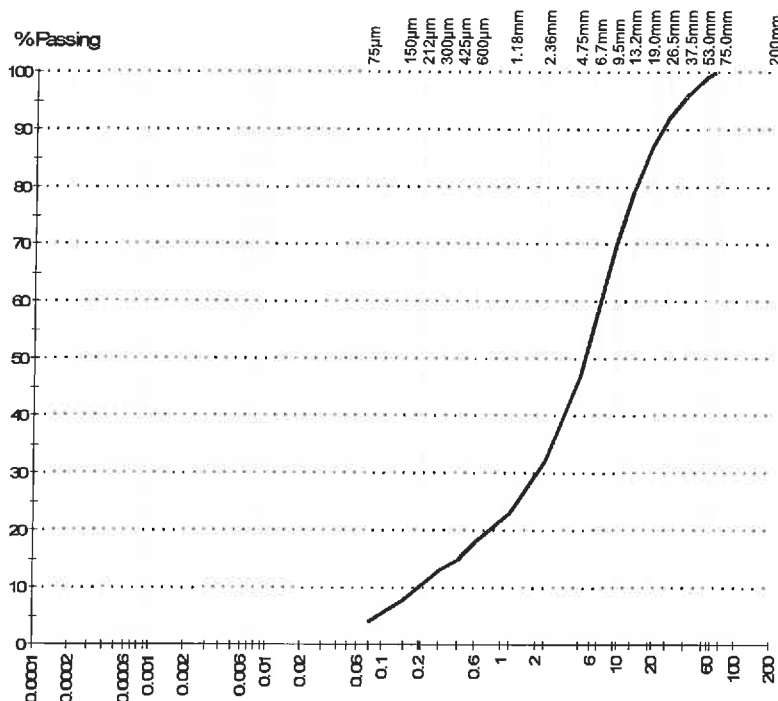
Description	Method	Result	Limits
Fines passing (%)	NZS 4407:2015 Test 3.10	9.2	
Size of Fraction		-13.2mm, +9.5mm	
Specified Load (kN)		50	
Crushing Resistance		> Specified Load	
Sand Equivalent	NZS 4407:2015 Test 3.6	96	
Shaking Method		Manual	
Solid Density (t/m ³)	NZS 4407:2015 Test 3.7.2	2.06	
Sample Tested		Fraction Retained 4.75 mm	
Sample Description		SAP 50	
History		Natural	
Date Tested		30/11/2017	

Particle Size Distribution

Method: NZS 4407:2015 Test 3.8.2

Date Tested: 29/11/2017

Tested By: Frank Clarke



Sieve Size	% Passing	Limits
63.0mm	100	
53.0mm	99	
37.5mm	96	
26.5mm	92	
19.0mm	87	
13.2mm	79	
9.5mm	70	
6.7mm	59	
4.75mm	47	
2.36mm	32	
1.18mm	23	
600µm	18	
425µm	15	
300µm	13	
150µm	8	
75µm	4	

CLAY FRACTION	SILT FRACTION			SAND FRACTION			GRAVEL FRACTION			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	

Particle Size (mm)

Comments

Work Order No : ETAM17W04235