



A TETRA TECH COMPANY

**East Tamaki Laboratory**

Coffey Services (NZ) Limited

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**Report No: ETAM17S-12234-1**  
**Issue No: 1**

**Material Test Report**

**Client:** Landscaping Direct Ltd  
PO Box 1629  
Taupo 3351

**Principal:** Shaun Fredricksen

**Project No.:** 773-ETAM00534AA

**Project Name:** Scoria Properties Testing - Takanini

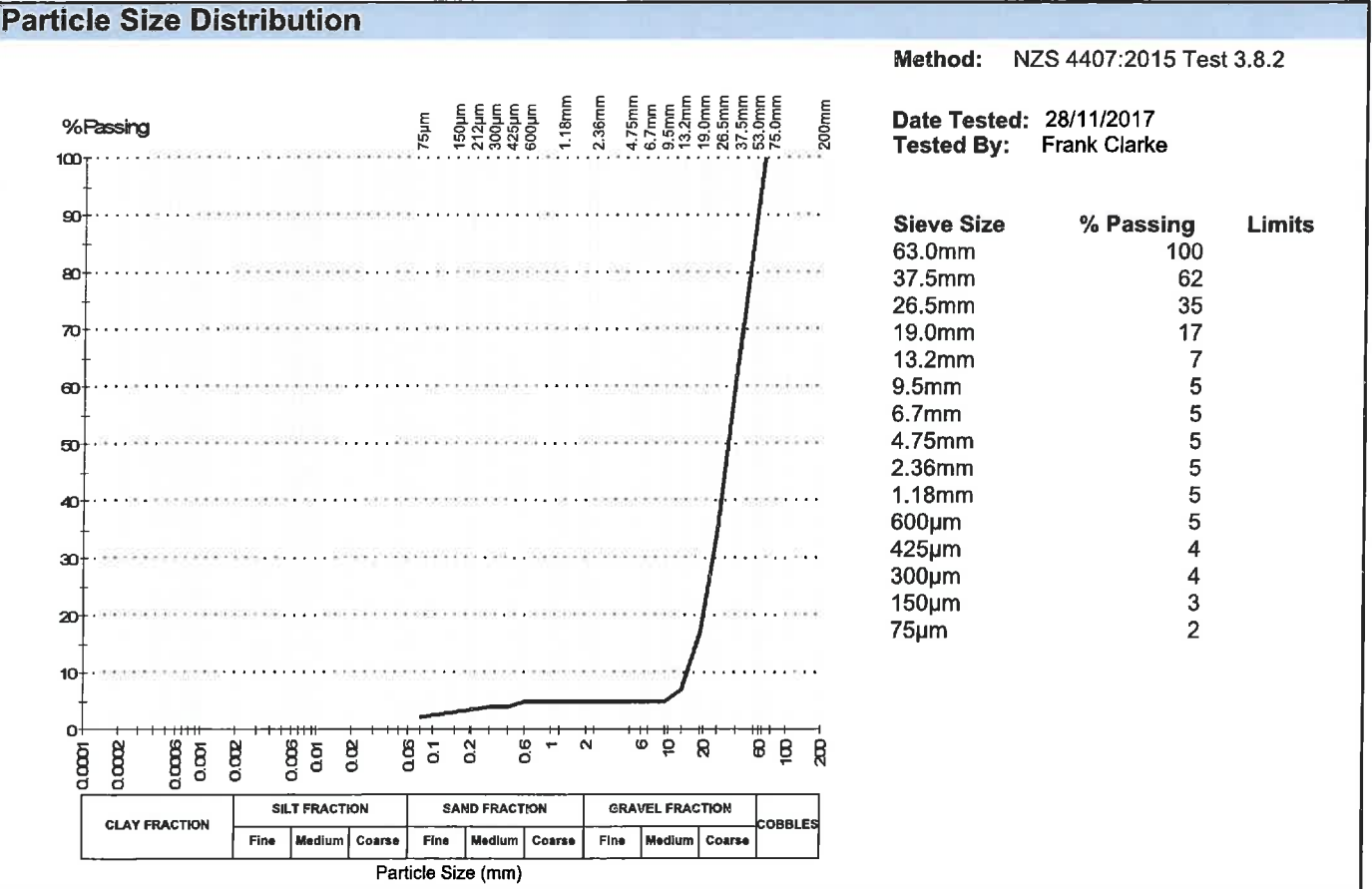
**Lot No.:** TRN:

Tests indicated as not accredited are outside the scope of the laboratory's accreditation. (This document may not be altered or reproduced except in full. This report relates only to the positions tested.)

**IANZ**  
ACCREDITED LABORATORY

Approved Signatory: Ramir Casidsid  
(Laboratory Team Leader)  
IANZ Accredited Laboratory Number: 105  
Date of Issue: 7/12/2017

Sample Details		Other Test Results			
<b>Sample ID:</b>	ETAM17S-12234	<b>Description</b>	<b>Method</b>	<b>Result</b>	<b>Limits</b>
<b>Client Sample:</b>	SAP 20/50	Fines passing (%)	NZS 4407:2015 Test 3.10	7.1	
<b>Date Sampled:</b>		Size of Fraction		-13.2mm, +9.5mm	
<b>Source:</b>	Unknown (Sampled by Client)	Specified Load (kN)		50	
<b>Material:</b>	SAP 20/50 Scoria Aggregates	Crushing Resistance		> Specified Load	
<b>Specification:</b>	No Specification	Date Tested		5/12/2017	
<b>Sampling Method:</b>	Unknown (Not IANZ Endorsed)	Solid Density (t/m <sup>3</sup> )	NZS 4407:2015 Test 3.7.2	2.06	
<b>Project Location:</b>	35 Rangī Road, Takanini	Sample Tested		Fraction Retained 4.75 mm	
<b>Sample Location:</b>	Not Specified	Sample Description		SAP 20/50	
		History		Natural	



**Comments**

Work Order No : ETAM17W04235