

Attention : Shaun Fredrickson  
Landscape Direct Ltd.

**METHOD FOR DETERMINING UNIT MASS & VOIDS CONTENT OF AGGREGATE**  
**\*Test Method NZS 3111 : 1986 T-10**

Job :	Scoria Properties Testing - Takanini	Client :	Landscape Direct Ltd.
Date of Order :	7/08/2018	Sample Location :	Taupo Quarry
Sample Description:	SAP 50	Sample Method :	NZS 4407: 2015: 2.4.6.3.1
Sampled By :	EP	Date Sampled :	7/08/2018

**Test History :** Tested at as received moisture content  
Moisture Content - Test Method NZS 4407: 2015 Test 3.1  
Solid Density - Test Method NZ 4407: 2015 Test 3.7.1


**Test Results :**

Sample No.	Client Reference	*Sample Description	Solid Density t/m <sup>3</sup>	Moisture Content (%)	Loose Poured			Compacted		
					Unit Mass (wet) t/m <sup>3</sup>	Unit Mass (dry) t/m <sup>3</sup>	Voids Content (%)	Unit Mass (Wet) t/m <sup>3</sup>	Unit Mass (dry) t/m <sup>3</sup>	Voids Content (%)
ETAM18S-10842	SAP 50	Scoria, Red	2.29	17.1	0.99	0.91	57	1.12	0.99	51

**Comments:**

\*- Not IANZ Endorsed

Tested By :	GB & FP	Date :	13/08/2018
Calculated By :	JM	Date :	21/08/2018
Checked By :	JM	Date :	22/08/2018

Approved Signatory: 

Date : 27/08/2018