

Attention : Shaun Fredricksen
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 :	24/11/2017	Sample Location :	Unknown
Sample Description :	Scoria Aggregates	Sample Method :	Unknown(Sampled by client) -Not IANZ Endorsed
Sampled By :	Client	Date Sampled :	Received -24/11/2017

Test History :

Moisture Content - Test Method NZS 4407 : 2015 T -3.1
Solid Density - Test Method NZ 4407 : 2015 T-3.7.1/3.7.2

Test Results :

Sample No.	Client Reference	*Sample Description	Solid Density	Moisture Content (%)	Loose Poured			Compacted		
					Unit Mass(wet) t/m ³	Unit Mass(dry) t/m ³	Voids Content (%)	Unit Mass(Wet) t/m ³	Unit Mass(dry) t/m ³	Voids Content (%)
					Mass(wet) t/m ³	Mass(dry) t/m ³	Content (%)	Mass(Wet) t/m ³	Mass(dry) t/m ³	Content (%)
ETAM17S-12234	SAP 20/50	AP 65 Uniformly Graded Red Scoria Aggregates	2.06	4.7	0.73	0.70	66	0.82	0.78	62
ETAM17S-12235	SAP 50	AP 65 Well Graded Red Scoria Aggregates	2.06	8.7	1.02	0.93	55	1.22	1.12	45
ETAM17S-12236	SGC 25/7	AP40 Gap Graded Red Scoria Aggregates	1.86	3.5	0.75	0.73	56	0.84	0.81	61
ETAM17S-12237	SAP 7	AP 10 Gap Graded Red Scoria Aggregates	2.43	14.3	1.00	0.87	64	1.24	1.08	56

Comments:

* - Not IANZ Endorsed

Tested By :	CT/FC	Date :	29/12/2017
Calculated By :	RC	Date :	5/12/2017
Checked By :	RC	Date :	5/12/2017
Approved Signatory:	Ramir Casidsid	Date :	7/12/2017