



Outeniqua Lab (Pty) Ltd.

Materials Testing Laboratory

Registration No. 95/07742/07

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R-GRAD-1-5

May 10



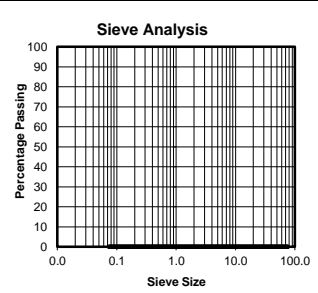
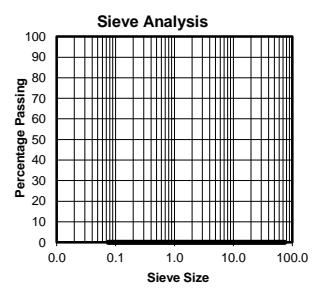
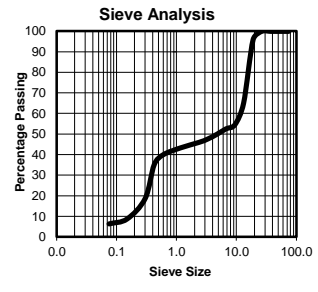
T0347

Customer :	Robberg Quarry	Project :	Yard
	Po Box 3021	Date Received :	04/02/13
	Plettenberg Bay	Date Reported :	22/02/13
	6600	Req. Number :	0200/13
Attention :	R Julian	No. of Pages :	1

TEST REPORT

SIEVE ANALYSIS OF GRAVELS & SOILS - (TMH 1 Method A1(a),A5,B13)

Sample Position		Stockpile	SIEVE ANALYSIS					
Depth		N/A						
Sample Number		50027						
Materials Description	Source	Robberg Quarry						<p>50027</p>
	Colour	Light Reddish Orange						
	Soil Type	Sand with Quartzitic Sandstone						
	Classification	19mm Ready Mix						
Sieve Size (mm)								
Percentage Passing	75.0	100						
	53.0	100						
	37.5	100						
	26.5	100						
	19.0	96						
	13.2	65						
	9.5	55						
	6.7	53						
	4.75	50						
	3.35	48						
	2.36	46						
	1.18	43						
	0.600	40						
	0.425	35						
0.300	19							
0.150	9							
0.075	6.3							
Fineness Modulus		3.9						
MATERIAL PROPERTIES								
ACV (%)	20.5							
10% FACT Dry (kN)	243							
10% FACT Wet (kN)	228							
10% FACT Relationship (%)	93.8							
Flakiness Index (%)	3.7							
ALD (mm)								
Relative Density (kg/m ³)								
Water Absorption								
Organic Impurities								
Soluble Deleterious (%)								
Plasticity Index (%)								
Compactability Factor #								
Moisture Content (%)								
LBD (kg/m ³)								
CBD (kg/m ³)								



- # Non Accredited tests.
- Specimens sampled by Outeniqua Lab according to sampling Plan TMH 5 Methods MB1 & MC1
 - Specimens sampled by : M Sangwe
 - The weather conditions are such that there is no detrimental effect on the sample taken.

L Heathcote (Director)
For Outeniqua Lab (Pty) Ltd
Technical Signatory

- Opinions and interpretations expressed herein are outside the scope of SANAS accreditation.
- The opinion column is an interpretation of the direct comparison between the quoted specification and the single test sample results obtained. The compliant (✓), non compliant (×) and uncertain (*) opinion indicators are based on an approximate 95% level of confidence with reference to SAMM GUIDANCE 1, Issue 2 : 20 June 2007 Section 2.
- The uncertain (*) indicates that the test result is either equal to or is above / below the specified limit by a margin less than the measurement uncertainty; it is therefore not possible to state compliant (✓) or non compliant (×) based on a 95% level of confidence with reference to SAMM GUIDANCE 1, Issue 2 : 20 June 2007 Section 2.
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- Measuring Equipment, traceable to National Standards is used where applicable. Results reported in this Test Report relate only to the items tested and are an indication only of the sample provided and/or taken.
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