

ROADLAB/MOSSLAB JV

Civil Engineering Materials Laboratory

Bally Singel 7, Voorbaai, Mossel Bay
Tel. : (044) 695 2387. Fax.: 086 689 7135

P.O. Box 35, Hartenbos, 6520
e-mail : mosslab@roadlab.co.za



Client:	V3 Consulting Engineers
	P.O. Box 730
	Mossel Bay
	6500
Attention:	Danie Wessels

SOIL ANALYSIS TEST REPORT

Job No:	M11702	
Order No:	-	
Sample No:	6049	
Project Information:	Development of the farm Outeniquasbosch 149 and part 10 & 28 of the farm Hartenbos 217	
Number of pages:	2	
Date Received:	04/10/2018	
Date Sampled:	04/10/2018	
Sampled by:	Roadlab Mosslab JV	
Sample plan included:	-	
Environmental Conditions:	Sunny	
Delivered by:	Roadlab Mosslab JV	
Sampling method:	TMH5	
Source of sample	TP B	
Condition of sample:	Good	
Subcontractor (if any)	-	
Material description:	Silty sandy clay	
Tests Requested/Method:	SANS	
	Grading	SANS 3001-GR1
	Atterberg Limits	SANS 3001-GR10
	M.D.D	SANS 3001-GR30
	C.B.R.	SANS 3001-GR40
Sampling of:		
Date Completed:	22/10/2018	

Notes
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-
-
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Remarks:

1. All tests marked (#) are not included in our schedule of Accreditation.
2. The results reported relate only to the sample tested, Further use of the above information is not the responsibility or liability of Roadlab Mosslab JV (Mossel Bay).
3. This document is the correct record of all measurements made, and may not be reproduced other than with full written approval from the Technical Manager of Roadlab Mosslab JV .
4. Measuring equipment is traceable to national standards (Where applicable).
5. Samples will be retained, for a three month period, before disposal.
6. Tests are reported with an approximate 95% level of confidence.
7. Uncertainty of measurement will only be reported if requested by the client.

Technical Signatory
Jaco van Rensburg

ROADLAB/MOSSLAB JV

Civil Engineering Materials Laboratory



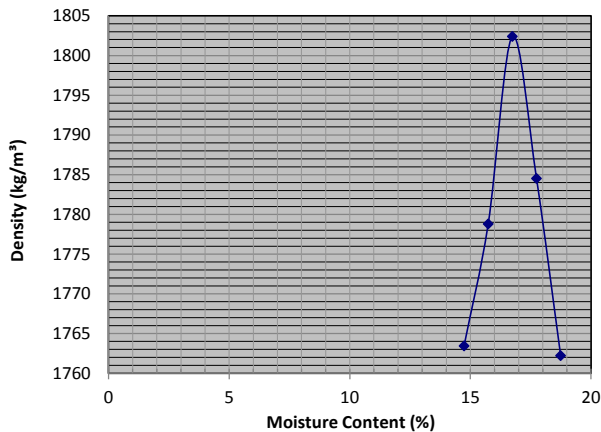
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Client:	V3 Consulting Engineers P.O. Box 730 Mossel Bay 6500	Date Reported:	25/10/2018	Job nr:	M11702
Attention:	Danie Wessels	Specification:	COLTO	Order no:	-
		Project:	Development of the farm Outeniquasbosch 149 and part 10 & 28 of the farm Hartenbos 217		

SOIL ANALYSIS TEST REPORT

SAMPLE INFORMATION				MATERIAL PROPERTIES			
Material Description	Silty sandy clay			GRADING	G9	Uncertainty	Opinion
Source	TP B	Position/ Layer	3rd Layer	Sieve Size	% Passing	Specifications	✓ or X
Date Received	04/10/2018	Date Tested	22/10/2018	75	100		
Sampling Method	TMH5	Sample Number	6049	63	100		
				50	100		
				37.5	96		
				28	96		
				20	95		
				14	94		
				5	93		
				2	91		
				0.425	76		
				0.075	50.2		
MOD Analysis				SIEVE ANALYSIS			
MDD	1802	kg/m³	OMC	16.7	%		
Method	Scalped	% Scalped	1.1	%			
Uncertainty				Sieve Size (mm)			
MDD		kg/m³	OMC		%		



Fractured Faces				Strength			
Size	Fractured Faces %	Size	Fractured Faces %	10% FACT (kN)	Mudrock Only		Opinion
37.5		14		Grading Modulus	0.8	0.75<2.7	✓
28		5		Coarse Sand Ratio	16	N/A	
20		All>5		CBR			
				Moulding MC%	16.6		
				CBR @ 98%	15		
				CBR @ 97%	14		
				CBR @ 95%	11		
				CBR @ 93%	9	Min 7	✓
				CBR @ 90%	7		
				Swell			
				Swell @ 100%	0.2	Swell<1.5%	✓
				Durability			
				ACV (%)			
				Flakiness Index			
				20mm<28mm			
				14mm<20mm			
				Atterberg Limits			
				-0.425			
				Liquid Limit	35		
				Plastic Limit	21		
				Linear Shrinkage	7.0		
				LSx%Pass0.425	535		
				Plasticity index	15	Max 12.5	✗
				-0.075			
				Liquid Limit	-		
				Plastic Limit	-		
				Linear Shrinkage	-		
				Plasticity index	-		
				Classification:	<G9		

✓	In Spec
✗	Out of Spec
□	Even with a 95% Certainty, Reading could be Out of Spec.

Technical Signatory
Jaco van Rensburg

End of Report

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