



5 Voorbaai Crescent, Bayview, Hartenbos
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Client:	Zec 4 (Pty) Ltd
	P.O Box 154
	Hartenbos
	6520
Attention:	Dreyer van Zyl, 0825716279

SOIL ANALYSIS TEST REPORT

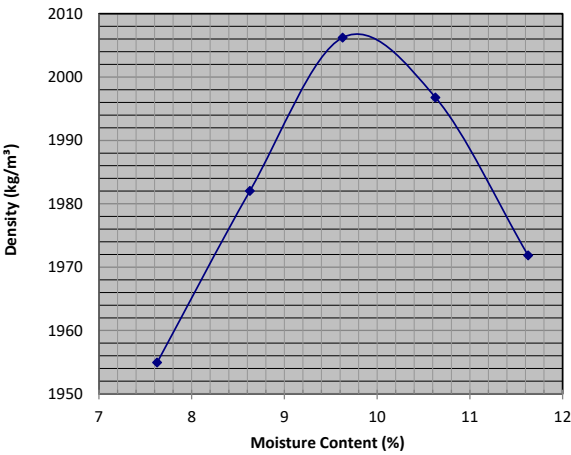
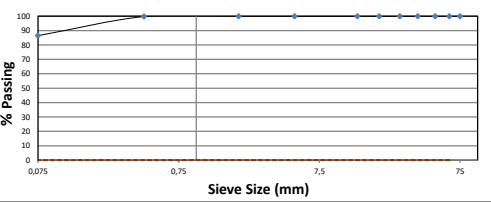
Job No:	TP18124	
Order No:	-	
Sample No:	2382	
Project Information:	Phase 12 & 14 Outeniquasbosch	
Number of pages:	2	
Date Received:	25/01/2023	
Date Sampled:	25/01/2023	
Sampled by:	TESTPRO Laboratory	
Sample plan included:	No	
Environmental Conditions:	Hot /	Sunny /
Delivered by:	TESTPRO Laboratory	
Sampling method:	TMH5:MA2	
Source of sample	Test Pit 4 (Phase 14)	
Condition of sample:	Good	
Conformity statement requested by client:	Yes	
Subcontractor (if any)	No	
Material description:	Red & Grey Sandy Clay	
Tests Requested/Method:	SANS	
	Grading	SANS 3001-GR1
	Atterberg Limits	SANS 3001-GR10 & -GR20
	M.D.D	SANS 3001-GR30 & -GR20
	C.B.R.	SANS 3001-GR40 & -GR20
Date Completed:	31/01/2023	

Notes/Deviations	
-	
-	
-	
-	

Remarks:

1. All tests marked (#) are not included in our schedule of Accreditation.
2. The results reported relate only to the sample tested. Statement of conformity are not made or implied in the report, unless required by the client. Review the results, expanded uncertainty, and specifications to ensure they meet your requirements.
The final decision rule will be the customers risk and not the Laboratory.
The Laboratory does not report a statement of conformity unless it is inherent in the requested specification or standard.
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 TESTPRO Laboratory.
4. Measuring equipment is traceable to national standards (Where applicable).
5. Samples will be retained, for a one 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.
8. Opinions & Interpretations are not included in our schedule of Accreditation.

Technical Signatory
Jaco van Rensburg

 TESTPRO LABORATORY Materials Testing Laboratory				 sanas Testing Laboratory 10952			
5 Voorbaai Crescent, Bayview, Hartenbos Tel. : (044) 695 0831				P.O. Box 35, Hartenbos, 6520 e-mail : jaco@testpro.co.za			
Client:		Zec 4 (Pty) Ltd P.O Box 154 Hartenbos 6520		Date Reportec		02/02/2023	
Attention:		Dreyer van Zyl, 0825716279		Specification:		COLTO	
				Order no:			
				Project:		Phase 12 & 14 Outeniquasbosch	
SOIL ANALYSIS TEST REPORT							
SAMPLE INFORMATION				MATERIAL PROPERTIES			
Material Description	Red & Grey Sandy Clay			GRADING		G9	
Source	Test Pit 4 (Phase 14)	Position/ Layer	Layer 4	Sieve Size	% Passing	Specifications	Uncertainty
Date Received	25/01/2023	Date Tested	31/01/2023	75	100		Opinion
Sampling Method	TMH5:MA2	Sample Number	2382	63	100		✓ or X
MOD, BD & AD Analysis				50	100		
MDD	2007	kg/m³	OMC	37,5	100		
BD	-		WA	28	100		
AD	-			20	100		
Method	Scalped	% Scalped	0,0	14	100		
Uncertainty				5	100		
MDD		kg/m³	OMC	2	100		
				SIEVE ANALYSIS			
							
Test		Results		Specifications		Opinion	
Grading Modulus		0,1		0.75<2.7		✗	
Coarse Sand Ratio		0		N/A			
Strength (kN)							
10% FACT (Dry)		Mudrock Only					
10% FACT (Wet)							
Wet/Dry Rel. (%)							
CBR							
Moulding MC%		9,8					
CBR @ 98%		3					
CBR @ 97%		2					
CBR @ 95%		2					
CBR @ 93%		2		Min 7		✗	
CBR @ 90%		1					
Swell							
Swell @ 100%		4,9		Swell<1.5%		✗	
Durability (%)							
ACV (Dry)							
ACV (Wet)							
Flakiness Index							
20mm<28mm							
14mm<20mm							
Atterberg Limits							
Liquid Limit		37		-0.425mm			
Plastic Limit		18					
Linear Shrinkage		8,5					
LSx%Pass0.425		848					
Plasticity index		19		Max 12		✗	
-0.075mm							
Liquid Limit		-					
Plastic Limit		-					
Linear Shrinkage		-					
Plasticity index		-					
Classification:		<G9					
Fractured Faces							
Size	Fractured Faces %	Size	Fractured Faces %	#N/A			
37,5		14					
28		5					
20		All>5					
		✓		In Spec			
		✗		Out of Spec			
		□		Even with a 95% certainty, reading could be out of spec.			
				Technical Signatory Jaco van Rensburg			