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

SOIL ANALYSIS TEST REPORT

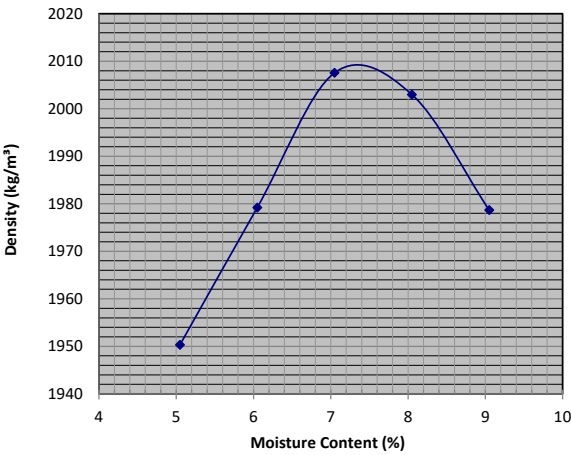
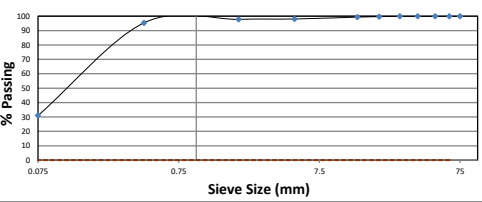
Job No:	TP22474	
Order No:	-	
Sample No:	4446	
Project Information:	Phase 7 Outeniquasbosch, Hartenbos	
Number of pages:	2	
Date Received:	04/02/2025	
Date Sampled:	04/02/2025	
Sampled by:	TESTPRO Laboratory	
Sample plan included:	No	
Environmental Conditions:	Hot /	Sunny /
Delivered by:	TESTPRO Laboratory	
Sampling method:	TMH5:MA2	
Source of sample	Test Pit 1	
Condition of sample:	Good	
Conformity statement requested by client:	Yes	
Subcontractor (if any)	No	
Material description:	Orange Red White & Yellow Petrified Sand	
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:	18/02/2025	

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 10552										
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	20/02/2025	Job nr:	TP22474						
			Specification:	COLTO	Order no:	-						
Attention:	Dreyer van Zyl, 0825716279		Project: Phase 7 Outeniquasbosch, Hartenbos									
SOIL ANALYSIS TEST REPORT												
SAMPLE INFORMATION				MATERIAL PROPERTIES								
Material Description	Orange Red White & Yellow Petrified Sand			GRADING								
Source	Test Pit 1	Position/ Layer	Layer 2	Sieve Size	% Passing	G9 Specifications						
Date Received	04/02/2025	Date Tested	18/02/2025	75	100							
Sampling Method	TMH5:MA2	Sample Number	4446	63	100							
MDD, BD & AD Analysis				50	100							
MDD	2009	kg/m³	OMC	37.5	100							
BD	-		WA	28	100							
AD	-			20	100							
Method	Scalped	% Scalped	0.0	14	99							
Uncertainty				5	98							
MDD		kg/m³	OMC	2	98							
				0.425	95							
				0.075	31.0							
				SIEVE ANALYSIS								
												
				Test	Results	Specifications						
				Grading Modulus	0.8	0.75<2.7						
				Coarse Sand Ratio	2	N/A						
				Strength (kN)								
				10% FACT (Dry)		Mudrock Only						
				10% FACT (Wet)								
				Wet/Dry Rel. (%)								
				CBR								
				Moulding MC%	7.1							
				CBR @ 98%	29							
				CBR @ 97%	22							
				CBR @ 95%	13							
				CBR @ 93%	7	Min 7						
				CBR @ 90%	3							
				Swell								
				Swell @ 100%	0.5	Swell<1.5%						
				Durability (%)								
				ACV (Dry)								
				ACV (Wet)								
				Flakiness Index								
				20mm<28mm								
				14mm<20mm								
				Atterberg Limits								
				-0.425mm								
				Liquid Limit	-							
				Plastic Limit	-							
				Linear Shrinkage	1.0							
				LSx%Pass0.425	95							
				Plasticity index	S/P	Max 12.3						
				-0.075mm								
				Liquid Limit	-							
				Plastic Limit	-							
				Linear Shrinkage	-							
				Plasticity index	-							
				Classification:	Possible G9							
<table border="1" style="margin: auto;"> <tr> <td>✓</td> <td>In Spec</td> </tr> <tr> <td>✗</td> <td>Out of Spec</td> </tr> <tr> <td>0</td> <td>Even with a 95% certainty, reading could be out of spec.</td> </tr> </table>							✓	In Spec	✗	Out of Spec	0	Even with a 95% certainty, reading could be out of spec.
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Technical Signatory Jaco van Rensburg												