



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:	TP22474	
Order No:	-	
Sample No:	4449	
Project Information:	Phase 7 Outeniquasbosch	
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 4	
Condition of sample:	Good	
Conformity statement requested by client:	Yes	
Subcontractor (if any)	No	
Material description:	Orange Yellow White 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:

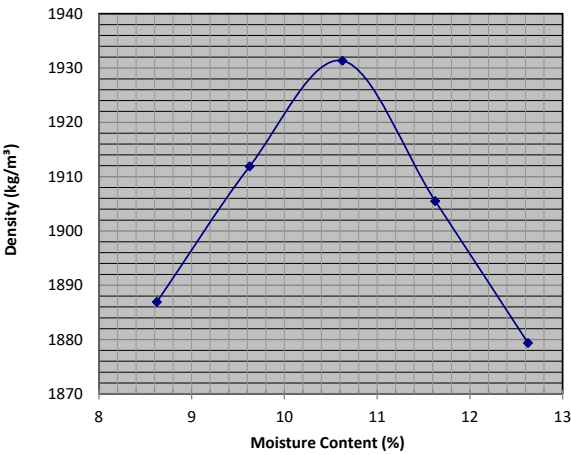
- All tests marked (#) are not included in our schedule of Accreditation.
- The results reported relate only to the sample tested. Statement of conformity are not made or implied in the report, unless required by the client. Review the results, expanded uncertainty, and specifications to ensure they 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.
- 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.
- Measuring equipment is traceable to national standards (Where applicable).
- Samples will be retained, for a one month period, before disposal.
- Tests are reported with an approximate 95% level of confidence.
- Uncertainty of measurement will only be reported if requested by the client.
- Opinions & Interpretations are not included in our schedule of Accreditation.

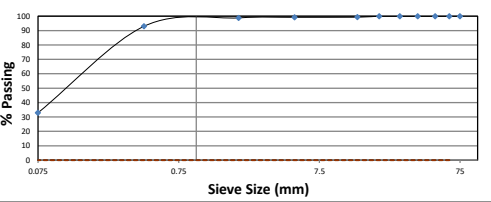
Technical Signatory
Jaco van Rensburg

 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

SOIL ANALYSIS TEST REPORT

SAMPLE INFORMATION				MATERIAL PROPERTIES			
Material Description	Orange Yellow White Petrified Sand			GRADING		G8	Opinion
Source	Test Pit 4	Position/ Layer	Layer 2	Sieve Size	% Passing	Specifications	Uncertainty
Date Received	04/02/2025	Date Tested	18/02/2025	75	100		
Sampling Method	TMH5:MA2	Sample Number	4449	63	100		
MDD, BD & AD Analysis				50	100		
MDD	1931	kg/m³	OMC	10.6			
BD	-		WA	-			
AD	-						
Method	Scalped	% Scalped	0.0				
Uncertainty				37.5	100		
MDD		kg/m³	OMC				







Test	Results	Specifications	Opinion
Grading Modulus	0.8	0.75<2.7	✓
Coarse Sand Ratio	6	N/A	
Strength (kN)			
10% FACT (Dry)		Mudrock Only	
10% FACT (Wet)			
Wet/Dry Rel. (%)			
CBR			
Moulding MC%	10.6		
CBR @ 98%	17		
CBR @ 97%	15		
CBR @ 95%	12		
CBR @ 93%	10	Min 10	0
CBR @ 90%	7		
Swell			
Swell @ 100%	0.2	Max 1.5%	✓
Durability (%)			
ACV (Dry)			
ACV (Wet)			
Flakiness Index			
20mm<28mm			
14mm<20mm			
Atterberg Limits			
-0.425mm			
Liquid Limit	25		
Plastic Limit	14		
Linear Shrinkage	4.5		
LSx%Pass0.425	418		
Plasticity index	11	Max 12.3	✓
-0.075mm			
Liquid Limit	-		
Plastic Limit	-		
Linear Shrinkage	-		
Plasticity index	-		
Classification:	Possible G8		

Fractured Faces			
Size	Fractured Faces %	Size	Fractured Faces %
37.5		14	
28		5	
20		All>5	

✓	In Spec
✗	Out of Spec
0	Even with a 95% certainty, reading could be out of spec.

Technical Signatory
 Jaco van Rensburg