

Material Test Report

Report Number: P244010-4
Issue Number: 1
Date Issued: 06/03/2024
Client: P. F. Formation
 1 Patricia Fay Drive, Maroota NSW 2765
Contact: Joshua Graham
Project Number: P244010
Project Name: Laboratory Testing - Maroota
Project Location: 1 Patricia Fay Drive, Maroota
Work Request: 32774
Sample Number: 24-32774A
Date Sampled: 01/03/2024
Dates Tested: 01/03/2024 - 04/03/2024
Sampling Method: Sampled by Client
The results apply to the sample as received
Preparation Method: AS 1289.1.1 - Sampling and Preparation of Soils
Remarks: Product Specification; WSA_PS_350 Compaction Sand for Pipe Embedment. Table 350.1 Grade A.
Sample Location: Type A; Compaction Sand
Material: SAND; fine to coarse, yellow, trace fine gravel, trace silt

alliance

geotechnical & environmental solutions

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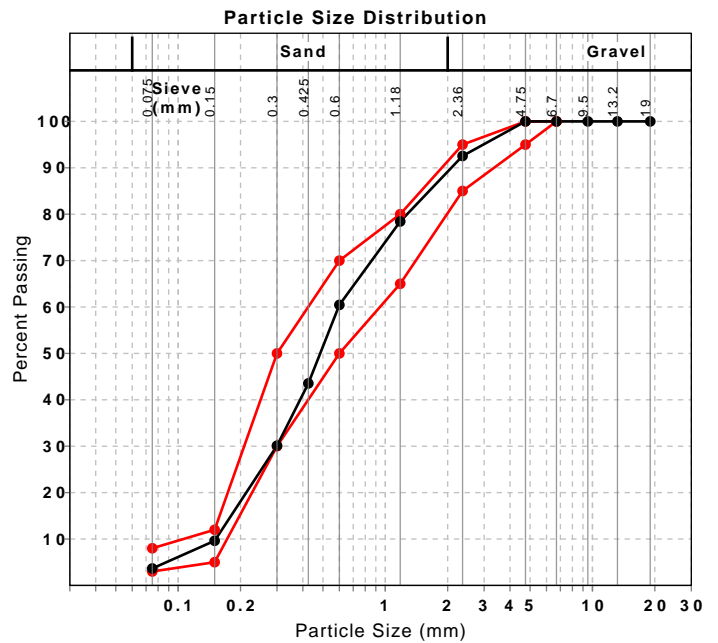
B. Bellingham

Approved Signatory: Brett Bellingham

Conformance Testing Manager

NATA Accredited Laboratory Number: 15100

Particle Size Distribution (AS1289 3.6.1)			
Sieve	Passed %	Passing Limits	
19 mm	100		
13.2 mm	100		
9.5 mm	100		
6.7 mm	100	100	100
4.75 mm	100	95	100
2.36 mm	93	85	95
1.18 mm	78	65	80
0.6 mm	60	50	70
0.425 mm	44		
0.3 mm	30	30	50
0.15 mm	10	5	12
0.075 mm	4	3	8



Report Number: P244010-1
Sample Number: 24-32389A
Sample Source: Type A; Compaction Sand

Sample Date: 15/02/2024
Test Date: 17/02/2024
Report Date: 21/02/2024

Project Number: P244010
Project Name: Laboratory Testing - Maroota
Project Location: 1 Patricia Fay Drive, Maroota
Issue Number: 1
Reissue Reason: N/A.
Client: P. F. Formation
Client Address: 1 Patricia Fay Drive, Maroota 2765, NSW
Client Contact: Joshua Graham <josh@pfformation.com.au>
Soil Description: SAND; fine to coarse, yellow, trace fine gravel, trace silt

Sample Information

Percentage Oversize Retained on 2.36mm Sieve (%)	95.3
Mean Moisture Content of Soil (%)	18.4
Mean Dry Density (t/m ³)	1.73

Results

Mean Resistivity of Soil (Ω m)	> 190
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Additional Comments

1. Distilled water used to saturate sample in accordance with AS1289.4.4.1.
2. The maximum capacity of Megger 4-terminal earth resistance and soil resistivity meter (Model: DET4TD2) is 19.99 k Ω , that equals to a resistivity of 190 Ω m.
3. When a sample's resistance reading from meter exceeds its maximum range, in results "> 190 Ω m" is used to indicate that sample's resistivity exceeds the maximum number that can be measured using the current lab equipment.
4. Sample requirements: ER – >15000hm.cm
5. Rp limit exceeded: 100 k Ω (50 V output Voltage)



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Approved Signatory:

Ian Goldschmidt
Specialised Testing Manager

alliance

Specialised Testing - 1800 288 188

**pH Value of a Soil (Electrometric method)**

Test Method: AS 1289.4.3.1

Report Number: P244010-1
Sample Number: 24-32389A
Sample Source: Type A; Compaction Sand

Sample Date: 15/02/2024
Test Date: 19/02/2024
Report Date: 21/02/2024

Project Number: P244010
Project Name: Laboratory Testing - Maroota
Project Location: 1 Patricia Fay Drive, Maroota
Issue Number: 1
Reissue Reason: N/A

Client: P. F. Formation

Client Address: 1 Patricia Fay Drive, Maroota NSW 2765

Client Contact: Joshua Graham <josh@pfformation.com.au>

Sample Description: SAND; fine to coarse, yellow, trace fine gravel, trace silt

Test Details

pH of Distilled Water	6.9
Moisture Condition	Air-dried
Temperature (°C)	20
Soil to Water Ratio	30:75

Results

Mean pH of Soil	5.7
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Additional Comments

Sample requirements: pH – Range 5-9



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15100

Approved Signatory:

Ian Goldschmidt
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