

SMEC Testing Services Pty Ltd

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Electrical Resistivity of a Soil

Project: Materials Testing

Project No.: 17846 / 2207C

Client: Valley Civilab Pty Ltd

Report No.: 12/1543

Address: PO Box 284, Thornton NSW 2322

Report Date: 16/10/2012

Test Method: AS1289.4.4.1

Page: 1 of 1

Sampling Procedure: Samples Supplied By Client (Not covered under NATA Scope of Accreditation)

STS / Sample No.	S12-3164							
Sample Location	Mackas Sand & Soil							
Material Description	Sand, light brown							
Depth (m)	Stockpile							
Sample Date	04/10/2012 by client							
Test Conditions	Moisture Content (%)	Dry Density (t/m ³)	Desity Ratio (%)	Electrical Resistivity (Ω.m)	Moisture Content (%)	Dry Density (t/m ³)	Desity Ratio (%)	Electrical Resistivity (Ω.m)
Trial 1	20.4	1.73	89.3	>200 **				
Trial 2	20.4	1.74	89.7	>200 **				
Trial 3	20.2	1.74	89.7	>200 **				
Trial 4	20.1	1.73	89.3	>200 **				
Average Resistivity (Ω.m)				>200 **	Average Resistivity (Ω.m)			

Remarks: -4.75mm material tested. Maximum Dry Density supplied by client.

** Maximum reading of resistivity meter exceeded.

Approved Signatory.

Technician: LC

Lincoln Coleman - Senior Geotechnician