



J & A GEOTECH TESTING PTY LTD

Unit 2/25 Dacre Street Mitchell ACT 2911

Certificate No 255094

Test Certificate – California Bearing Ratio – CBR

Client	Tharwa Sands	Job No	0040
Principal		Date Tested	26.02.18
Project	Quality Control Testing	Tested By	D.J
Location	Ginninderra Quarry ACT	Date Checked	26.02.18
Test Procedures		Checked By	D.J

☒ AS 1289 6.1.1 ☒ AS 1289 2.1.1 ☐ AS 1289 2.1.4 ☐ AS 1289 5.1.1 ☒ AS 1289 5.2.1
☐ RMS T102 – CAn = ____ ☐ RMS T111 ☐ RMS T112 ☐ RMS T117 ☐ RMS T120 ☐ RMS T180 ☐ RMS 130 ☐ RMS T132

Sample Location		Sub Base Material Mixed	-	-	-
Level at Test Taken	BFL	Stockpile	-	-	-
Remoulding Parameters		95%MMDD@OMC	-	-	-
Compactive Effort		Modified	-	-	-
Maximum Particle Size	mm	19.0	19.0	19.0	19.0
Percentage Oversize of Material	%	0.0	-	-	-
Oversize Material Included in Sample		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Maximum Dry Density	t/m ³	2.19	-	-	-
Optimum Moisture Content	%	6.5	-	-	-
Dry Density Before Soak	t/m ³	2.09	-	-	-
Dry Density After Soak	t/m ³	2.08	-	-	-
Dry Density Ratio Before Soak	%	95.0	-	-	-
Dry Density Ratio After Soak	%	95.0	-	-	-
Moisture Ratio Before Soak	%	100.0	-	-	-
Moisture Content Before Soak	%	6.6	-	-	-
Soaking					
Period of Soak days		4	-	-	-
Surcharge kg		9.0	-	-	-
Swell%		0.5	-	-	-
Penetration Test					
Sample Moisture Content	%	4.0	-	-	-
Top 30 mm	%	11.0	-	-	-
Whole Sample	%	8.3	-	-	-
CBR Value		35	-	-	-
Penetration at Which CBR Determined mm		2.5/5.0	-	-	-
Material Classification: Sampled in accordance with AS 1289 1.2.1 Clause 6.2 on 16.02.18		Sub Base Material	-	-	-



ACCREDITED FOR
TECHNICAL
COMPETENCE

Accredited for compliance with ISO/IEC 17025–Testing.
The results of the tests, calibrations and/or measurements
included in this document are traceable to Australian/national
standards.

NATA Accredited Laboratory
Number: 19979

26.02.18
Laboratory Manager/Date
Scott Miller