

Material Test Report

Report Number: P21899-2
Issue Number: 1
Date Issued: 24/01/2022
Client: Mawson Constructions Pty Ltd
 P.O Box 885 , SHEPPARTON VIC 3632
Project Number: P21899
Project Name: Kyabram Edge Estate
Project Location: Kyabram
Work Request: 7197
Date Sampled: 19/01/2022
Dates Tested: 19/01/2022 - 19/01/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Location: Kyabram
Material Source: Test Location



Geotechnical Testing Services (Southern)
 Echuca Soil and Concrete Testing Laboratory
 Shed 3, 140 Ogilvie Avenue Echuca VIC 3564
 Phone: (03) 5480 0601
 Email: cobanl@gts.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



[Signature]

Approved Signatory: Coban Lenten
 Gtss-coban

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1

Sample Number	E22-7197A	E22-7197B	E22-7197C	E22-7197D	E22-7197E	E22-7197F
Date Tested	19/01/2022	19/01/2022	19/01/2022	19/01/2022	19/01/2022	19/01/2022
Time Tested	08:09	08:14	08:23	08:30	08:36	08:41
Test Request #/Location	Lot 130 Retest Kyabram Edge Estate	Lot 105 Kyabram Edge Estate	Lot 106 Kyabram Edge Estate	Lot 101 Kyabram Edge Estate	Lot 99 Kyabram Edge Estate	Lot 85 Kyabram Edge Estate
Chainage (m)	Refer to Plan	Refer to Plan	Refer to Plan	Refer to Plan	Refer to Plan	Refer to Plan
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown
Test Depth (mm)	275	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**	**	**	**
Field Wet Density (FWD) t/m ³	2.14	2.04	1.96	2.02	2.02	2.07
Field Dry Density (FDD) t/m ³	**	**	**	**	**	**
Peak Converted Wet Density t/m ³	1.97	1.97	1.98	1.99	1.97	1.92
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Variation (Wv) %	2.5	4.5	3.0	2.5	2.5	5.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	109.0	103.5	98.5	101.5	103.0	108.0
Compaction Method	Standard	Standard	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

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Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	E22-7197G	E22-7197H	E22-7197I	E22-7197J	E22-7197K	E22-7197L
Date Tested	19/01/2022	19/01/2022	19/01/2022	19/01/2022	19/01/2022	19/01/2022
Time Tested	08:46	08:54	09:02	09:06	09:14	09:16
Test Request #/Location	Lot 90 Kyabram Edge Estate	Lot 79 Kyabram Edge Estate	Lot 74 Kyabram Edge Estate	Lot 71 Kyabram Edge Estate	Lot 116 / Dam Kyabram Edge Estate	Lot 116 / Dam Kyabram Edge Estate
Chainage (m)	Refer to Plan	Refer to Plan	Refer to Plan	Refer to Plan	Refer to Plan	Refer to Plan
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown
Test Depth (mm)	275	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**	**	**	**
Field Wet Density (FWD) t/m ³	2.04	2.05	2.05	2.13	2.02	2.10
Field Dry Density (FDD) t/m ³	**	**	**	**	**	**
Peak Converted Wet Density t/m ³	1.93	1.92	2.01	1.98	2.10	2.02
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Variation (Wv) %	5.0	5.0	2.5	2.5	0.0	4.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	106.0	106.5	102.0	107.5	96.0	104.0
Compaction Method	Standard	Standard	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**	**	**

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Compaction Control AS 1289 5.7.1 & 5.8.1

Sample Number	E22-7197M	E22-7197N	E22-7197O			
Date Tested	19/01/2022	19/01/2022	19/01/2022			
Time Tested	09:19	09:27	09:29			
Test Request #/Location	Lot 116 / Dam Kyabram Edge Estate	Dam / Biyal Circit Kyabram Edge Estate	Dam 2 Kyabram Edge Estate			
Chainage (m)	Refer to Plan	35m	Refer to Plan			
Location Offset (m)	**	Centre of Road	**			
Layer / Reduced Level	FSL	FSL	FSL			
Thickness of Layer (mm)	300	300	300			
Soil Description	Silty Clay Brown	Silty Clay Brown	Silty Clay Brown			
Test Depth (mm)	275	275	275			
Sieve used to determine oversize (mm)	19.0	19.0	19.0			
Percentage of Wet Oversize (%)	**	0	**			
Field Wet Density (FWD) t/m ³	2.09	2.22	2.14			
Field Dry Density (FDD) t/m ³	**	**	**			
Peak Converted Wet Density t/m ³	2.06	2.05	2.00			
Adjusted Peak Converted Wet Density t/m ³	**	**	**			
Moisture Variation (Wv) %	2.5	2.0	4.0			
Adjusted Moisture Variation %	**	**	**			
Hilf Density Ratio (%)	101.5	108.5	107.0			
Compaction Method	Standard	Standard	Standard			
Report Remarks	**	**	**			

Moisture Variation Note:

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Sample Locations Plan

