

Material Test Report

Report Number: 205535.00-13
Issue Number: 1
Date Issued: 27/07/2021
Client: Roberts Bros Pty Ltd
 123 Cooroy Belli Creek Road, Cooroy QLD 4563
Contact: John Roberts
Project Number: 205535.00
Project Name: Proposed Subdivision
Project Location: Chatsworth Estate, Stage 4, Chatsworth QLD
Work Request: 13738
Date Sampled: 21/07/2021
Dates Tested: 21/07/2021 - 26/07/2021
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Hilf Density Ratio
Location: Bulk Earthworks
Lot Number: 73
Material Source: Onsite



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Martin Cook
 Assistant Laboratory Manager
 Laboratory Accreditation Number: 828

| Compaction Control AS 1289 5.7.1 & 5.8.1 | | | |
|--|-----------------|-----------------|--|
| Sample Number | SS-13738A | SS-13738B | |
| Date Tested | 21/07/2021 | 21/07/2021 | |
| Time Tested | 10:40 | 10:47 | |
| Test Request #/Location | Lot 73 | Lot 73 | |
| Easting | 462880 | 462883 | |
| Northing | 7107959 | 7107946 | |
| Elevation (m) | 0.6 < F.L. | 0.2 < F.L. | |
| Soil Description | Gravelly Clay | Gravelly Clay | |
| Test Depth (mm) | 150 | 150 | |
| Sieve used to determine oversize (mm) | 19.0 | 19.0 | |
| Percentage of Wet Oversize (%) | 16 | 5 | |
| Field Wet Density (FWD) t/m ³ | 2.18 | 2.19 | |
| Field Dry Density (FDD) t/m ³ | ** | ** | |
| Peak Converted Wet Density t/m ³ | ** | ** | |
| Adjusted Peak Converted Wet Density t/m ³ | 2.23 | 2.14 | |
| Moisture Variation (Wv) % | ** | ** | |
| Adjusted Moisture Variation % | 2.0 | 1.5 | |
| Hilf Density Ratio (%) | 97.5 | 102.5 | |
| Compaction Method | Standard | Standard | |
| Report Remarks | ** | ** | |

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC