


Report No: MDD:WAI22S-00653

Issue No: 1


# Maximum Dry Density Report

**Client:**  
 Manukau Quarries LP  
 P O Box 202230  
 Takanini  
 Auckland 2246  
 NZ

**Project:** Laboratory Testing

ACCREDITED  
  
 TESTING LABORATORY

The tests reported herein (unless otherwise indicated) have been performed in accordance with the laboratory's scope of accreditation. Samples are tested as received, in natural condition, unless stated otherwise in the comments. This report may only be reproduced in full.



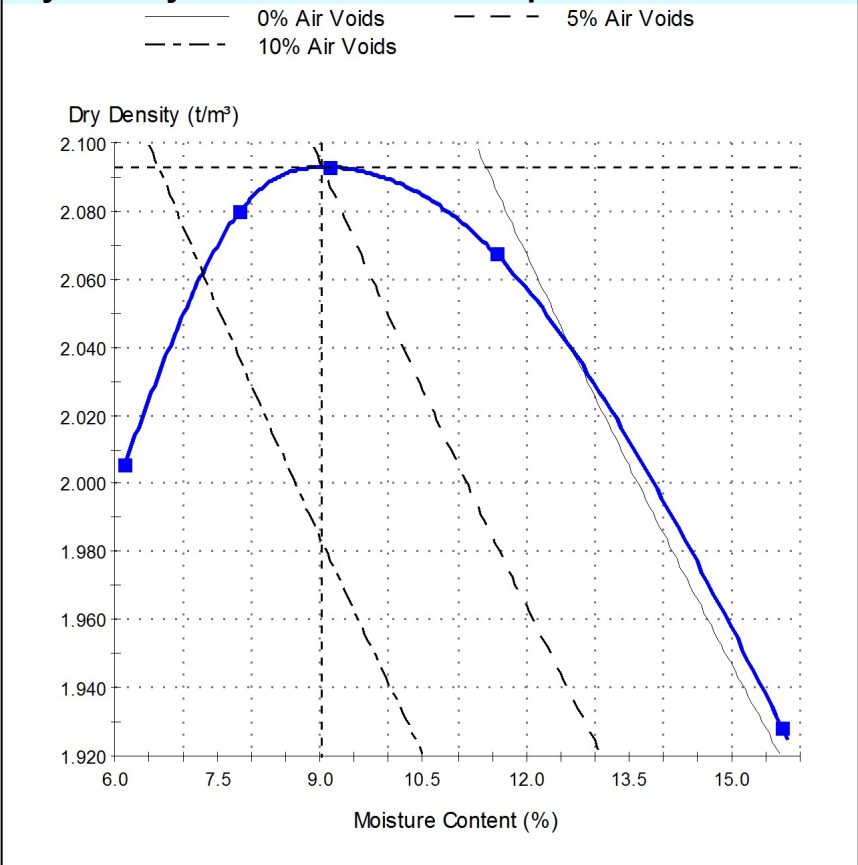
Approved Signatory: Charlotte Harrison  
 (Laboratory Technician)  
 IANZ Accreditation No:561  
 Date of Issue: 4/03/2022

The results in this report relate only to the items / samples that were tested

## Sample Details

<b>Sample ID:</b> WAI22S-00653	<b>Client Sample ID:</b> Manarc 65 MR8
<b>Material:</b> AP 65	<b>Sample Source:</b> Miscellaneous Aggregate
<b>Site/Sampled From:</b> Manukau Quarries Stockpile	<b>Date Sampled:</b> 23/02/2022
<b>Specification:</b> Clevedon - Manarc 65 MR8	<b>Sampled By:</b> See report comments
<b>Sampling Method:</b> As Received - Not Accredited	<b>Date Tested:</b> 02/03/2022
<b>Technician:</b> Renee McKay	<b>Sampling Endorsed?:</b> No

## Dry Density - Moisture Relationship



## Test Results

NZS 4402:1986 Test 4.1.1 - 1986

**Maximum Dry Density (t/m³):** 2.09  
**Optimum Moisture Content (%):** 9.0  
**Solid Density (t/m³):** 2.750 assumed  
**Oversize Sieve (mm):** 19.0  
**Oversize Material (%):**  
**Sample History:** Natural  
**Tested By:** Rijo Koshy  
**Date Tested:** 2/03/2022

## Comments

Sampled By: Bruce Bowie