

# Material Test Report

**Report No: MAT:WH20/0025-01**

**Issue No: 1**

*This report replaces all previous issues of report no 'MAT:WH20/0025-01'.*

**Client:** Barker Contractors Ltd  
 23 Waverley Street  
 Waipawa

**Project:** Quarry

All tests reported herein have been performed in accordance with the laboratory's scope of accreditation.



Approved Signatory: Ross Davison

Date of Issue: 17/02/2020

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

## Sample Details

**Sample ID:** WH20/0025-01  
**Client Sample ID:**  
**Date Sampled:** 12/02/2020  
**Source:** Barker Quarry  
**Material:** Barker 40  
**Specification:** TNZ M/4: 2005 AP40 Napier River Gravel  
**Sampling Method:** NZS 4407:2015 2.4.6.3.2 Well Graded Machine Method  
**Sampled From:**  
**Sample Condition:** Natural  
**Lot Number:** 12/02/2020

## Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	NZS 4407:2015 Test 3.1	2.3	
Date Tested		14/02/2020	
Broken Faces 37.5-19.0 (%)	NZS 4407:2015 Test 3.14	47	>50
Broken Faces 19.0-9.5 (%)		25	>50
Broken Faces 9.5-4.75 (%)		8	>50
Date Tested		14/02/2020	

## Particle Size Distribution

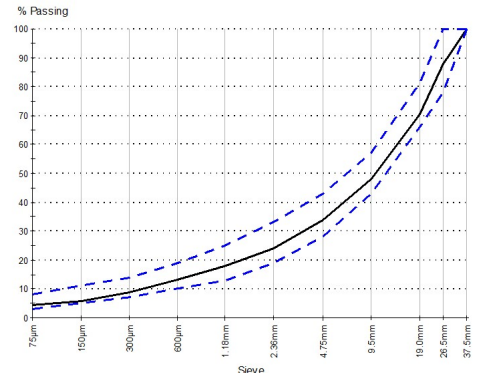
**Method:** NZS 4407:2015 Test 3.8.1  
**Drying by:** Oven  
**Date Tested:** 7/02/2020  
**Note:** Percentage passing the finest sieve was obtained by difference.

Sieve Size	% Passing	Limits
37.5mm	100	100 – 100
26.5mm	88	78 – 100
19.0mm	70	66 – 81
13.2mm	56	
9.5mm	48	43 – 57
6.7mm	41	
4.75mm	34	28 – 43
2.36mm	24	19 – 33
1.18mm	18	13 – 25
600µm	13	10 – 19
300µm	9	7 – 14
150µm	6	5 – 11
75µm	4	3 – 8

## Shape Analysis

19.0mm to 4.75mm	36.45	28 – 48
9.5mm to 2.36mm	24.18	14 – 34
4.75mm to 1.18mm	15.90	7 – 27
2.36mm to 600µm	10.62	6 – 20
1.18mm to 300µm	9.22	5 – 15
600µm to 150µm	7.44	2 – 12

## Chart



## Comments

N/A