

## Material Test Report

**Report No: MAT:WH21/0192-01**

**Issue No: 1**

*This report replaces all previous issues of report no 'MAT:WH21/0192-01'.*

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

**Project:**

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




Approved Signatory: Ross Davison

Date of Issue: 12/10/2021

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

### Sample Details

**Sample ID:** WH21/0192-01  
**Client Sample ID:** AP40  
**Date Sampled:** 05/10/2021  
**Source:** Barker Quarry  
**Material:** Barker 40  
**Specification:** TNZ M/4: 2005 AP40 Napier River Gravel  
**Sampling Method:** Unknown  
**Sampled From:** Customer Site Stockpile  
**Sample Condition:** Natural  
**Lot Number:** 06/10/21  
**Sampling Endorsed?:** No

### Other Test Results

Description	Method	Result	Limits
Moisture Content (%)	NZS 4407:2015 Test 3.1	3.8	
Date Tested		7/10/2021	
Broken Faces 37.5-19.0 (%)	NZS 4407:2015 Test 3.14	46	>50
Broken Faces 19.0-9.5 (%)		21	>50
Broken Faces 9.5-4.75 (%)		11	>50
Date Tested		8/10/2021	

### Particle Size Distribution

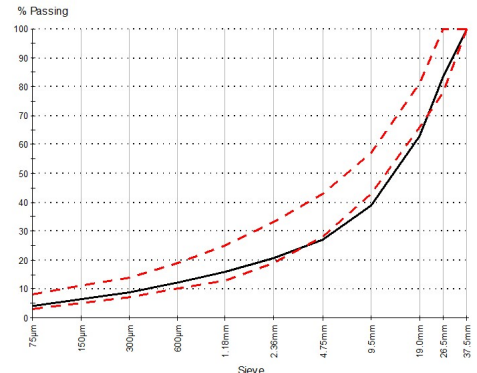
**Method:** NZS 4407:2015 Test 3.8.1  
**Drying by:** Oven  
**Date Tested:** 8/10/2021  
**Note:** Percentage passing the finest sieve was obtained by difference.

Sieve Size	% Passing	Limits
37.5mm	100	100 – 100
26.5mm	84	78 – 100
19.0mm	63	66 – 81
13.2mm	48	
9.5mm	39	43 – 57
6.7mm	32	
4.75mm	27	28 – 43
2.36mm	21	19 – 33
1.18mm	16	13 – 25
600µm	12	10 – 19
300µm	9	7 – 14
150µm	6	5 – 11
75µm	4	3 – 8

### Shape Analysis

19.0mm to 4.75mm	35.82	28 – 48
9.5mm to 2.36mm	18.20	14 – 34
4.75mm to 1.18mm	11.43	7 – 27
2.36mm to 600µm	8.55	6 – 20
1.18mm to 300µm	6.84	5 – 15
600µm to 150µm	5.75	2 – 12

### Chart



### Comments

Low sample weightsupplied, customer informed