



**Traralgon Laboratory**  
 5 Church Street  
 Traralgon Vic 3844  
 email: mw@mail@ghd.com.au  
 web: www.ghd.com.au/ghdgeotechnics  
 Tel: (03) 5136 5900  
 Fax: (03) 5136 5999

# Aggregate/Soil Test Report

**Report No: TRA1701628**

**Issue No: 1**

*This report replaces all previous issues of report no 'TRA1701628'.*

**Client:** Gippsland Premium Quarries Pty Ltd  
 PO Box 1  
 Neerim Junction Vic 3832

**Project:** QA Testing Sand - GPQ



Accredited for compliance with ISO / IEC 17025 - Testing

*M. Smith*

NATA Accredited Laboratory Number: 4092  
 Approved Signatory: Matt Smith (Assistant Laboratory Manager)  
 Date of Issue: 23/11/2017

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

## Sample Details

**GHD Sample No** TRA17-0866-01  
**Date Sampled** 30/10/2017  
**Sampled By** Sampled By Client  
**Location** 160 Thurlows Rd, Shady Crk  
**Client Location** Client Sample ID:307  
**Soil Description** Sandy CLAY (CH)

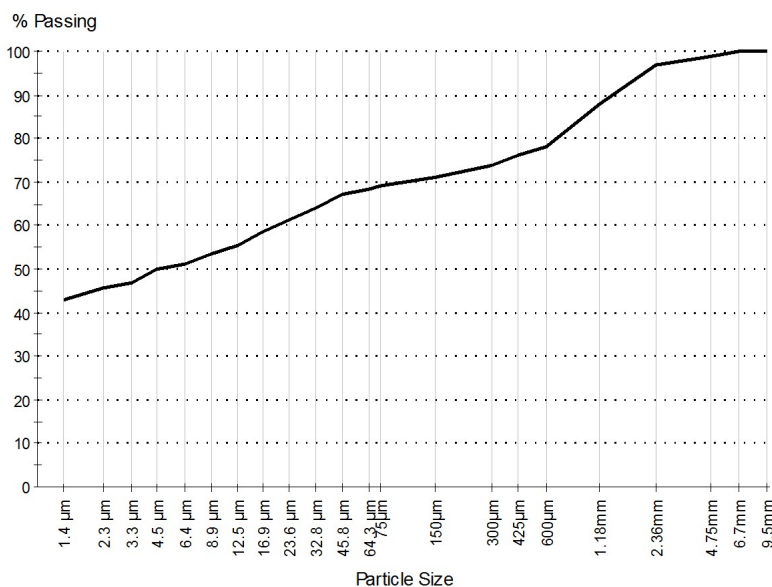
## Other Test Results

Description	Method	Result	Limits
Sample History	AS 1289.1.1	Oven-dried	
Preparation	AS 1289.1.1	Dry Sieved	
Linear Shrinkage (%)	AS 1289.3.4.1	15.0	
Mould Length (mm)		249.9	
Crumbing		No	
Curling		No	

## Particle Size Distribution

AS 1289.3.6.3

**Drying by:** Oven  
**Date Tested:**



Particle Size	% Passing	Limits
9.5mm	100	
6.7mm	100	
4.75mm	99	
2.36mm	97	
1.18mm	88	
600µm	78	
425µm	76	
300µm	74	
150µm	71	
75µm	69	
64.3 µm	69	
45.8 µm	67	
32.8 µm	64	
23.6 µm	61	
16.9 µm	59	
12.5 µm	56	
8.9 µm	54	
6.4 µm	51	
4.5 µm	50	

## Comments

N/A



**Traralgon Laboratory**  
 5 Church Street  
 Traralgon Vic 3844  
 email: mwlmail@ghd.com.au  
 web: www.ghd.com.au/ghdgeotechnics  
 Tel: (03) 5136 5900  
 Fax: (03) 5136 5999

# Aggregate/Soil Test Report

**Report No: TRA1701628**

**Issue No: 1**

*This report replaces all previous issues of report no 'TRA1701628'.*

**Client:** Gippsland Premium Quarries Pty Ltd  
 PO Box 1  
 Neerim Junction Vic 3832

**Project:** QA Testing Sand - GPQ



Accredited for compliance with ISO / IEC 17025 - Testing

*M. Smith*

NATA Accredited Laboratory Number: 4092  
 Approved Signatory: Matt Smith (Assistant Laboratory Manager)  
 Date of Issue: 23/11/2017  
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

## Other Test Results

Description	Method	Result	Limits
Cracking		No	
Liquid Limit (%)	AS 1289.3.1.2	56	
Method		One Point	
Plastic Limit (%)	AS 1289.3.2.1	22	
Plasticity Index (%)	AS 1289.3.3.1	34	
<small>AS 1289.3.1.2, AS 1289.3.2.1, AS 1289.3.3.1, AS 1289.3.4.1</small>			
Hydrometer Type	AS 1289.3.6.3	g/L	
Dispersion Method		Mechanical stirrer	
Emerson Class Number	AS 1289.3.8.1	6	
Soil Description			
Type of Water		Distilled	
Temperature of Water (°C)		20.0	
Standard Maximum Dry Density (t/m³)	AS 1289.5.1.1	1.68	
Standard Optimum Moisture Content (%)		20.0	
Retained Sieve 19mm (%)			
Compactive Effort		Standard	
Coef of Permeability (m/sec)	AS 1289.6.7.3	3.0E-09	
Mean Stress Level (kPa)		30	
Permeant Used		Tap Water	
Length (mm)		51.7	
Diameter (mm)		49.8	
Length/Diameter Ratio		1.00	
Laboratory Moisture Ratio (%)		98.0	
Laboratory Density Ratio (%)		94.6	
Compactive Effort		95% Standard	
Method of Compaction		Tamping 5 Layers @ OMC	
Pressure Applied (Kpa)		10	
Oversize Sieve (mm)		6.7	
Percentage Oversize (%)		0.0	
Moisture Content (%)		19.5	

## Comments

N/A