

# Material Test Report

**Report Number:** 676744.00-9  
**Issue Number:** 1  
**Date Issued:** 29/06/2023  
**Client:** Austone Pty Ltd  
 131 Barnetts Road, Macksville NSW 2447  
**Contact:** David Beams  
**Project Number:** 676744.00  
**Project Name:** Material Testing  
**Project Location:** 131 Barnetts rd, Gumma NSW  
**Work Request:** 17957  
**Sample Number:** CF-17957A  
**Date Sampled:** 29/05/2023  
**Dates Tested:** 30/05/2023 - 14/06/2023  
**Sampling Method:** AS 1141.3.1 9.4 - Sampling aided by power equipment - other than backblading method  
**Preparation Method:** AS 1289.1.1 - Sampling and preparation of soils  
**Sample Location:** E: 6606041, N: 498025  
**Material:** Fine Sand  
**Material Source:** Gumma Quarry



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Brandon Cameron  
 Assistant Laboratory Manager  
 Laboratory Accreditation Number: 828

| Particle Size Distribution (AS1141.11.1) |                   |                |
|--|-------------------|----------------|
| Sample Washing                           | Sample was Washed |                |
| Sieve                                    | Passed %          | Passing Limits |
| 6.7 mm                                   | 100               |                |
| 4.75 mm                                  | 100               |                |
| 2.36 mm                                  | 98                |                |
| 1.18 mm                                  | 93                |                |
| 0.6 mm                                   | 84                |                |
| 0.425 mm                                 | 77                |                |
| 0.3 mm                                   | 55                |                |
| 0.15 mm                                  | 2                 |                |
| 0.075 mm                                 | 1                 |                |

| Particle Distribution (AS 1141.12) | Min | Max |
|------------------------------------|-----|-----|
| Material Finer than 75µm (%)       | 1   |     |

| Bulk Density of Aggregate (AS 1141.4) | Min         | Max |
|---------------------------------------|-------------|-----|
| Uncompacted (t/m <sup>3</sup> )       | 1.55        |     |
| Compacted (t/m <sup>3</sup> )         | 1.68        |     |
| Moisture Condition                    | Dry         |     |
| Nominal Size                          | Coarse Sand |     |

| Density and Water Absorption of Fine Aggregate (AS 1141.5) | Min  | Max |
|--|------|-----|
| SSD Condition Determined Visually                          | Yes  |     |
| Apparent Particle Density (t/m <sup>3</sup> )              | 2.64 |     |
| Particle Density Dry (t/m <sup>3</sup> )                   | 2.62 |     |
| Particle Density SSD (t/m <sup>3</sup> )                   | 2.63 |     |
| Water Absorption (%)                                       | 0.3  |     |

