

## Result: Histogram Report

User Name: Jacinta Parenzee

Security Level: 1

### Sample Details

Sample ID: 127  
 Sample File: ORLA  
 Sample Path: C:\SIZERS\DATA\ORLA\  
 Sample Notes: Mahoenui Group mudstones, field

Run Number: 3  
 Record Number: 3

Measured: Sat 12 Jan 2008 10:15a.m.  
 Analysed: Sat 12 Jan 2008 10:15a.m.  
 Result Source: Analysed

### System Details

Range Lens: 300RF mm  
 Presentation: 3OHD  
 Analysis Model: Polydisperse  
 Modifications: None

Beam Length: 2.40 mm  
 [Particle R.I. = ( 1.5295, 0.1000); Dispersant R.I. = 1.3300]

Sampler: MS17

Obscuration: 17.8 %

Residual: 0.675 %

### Result Statistics

Distribution Type: Volume  
 Mean Diameters:  
 D [4, 3] = 28.24  $\mu$ m

Concentration = 0.0127 %Vol  
 D (v, 0.1) = 1.27  $\mu$ m  
 D [3, 2] = 2.90  $\mu$ m

Density = 2.560 g / cub. cm  
 D (v, 0.5) = 15.87  $\mu$ m  
 Span = 4.140E+00

Specific S.A. = 0.8087 sq. m / g  
 D (v, 0.9) = 66.96  $\mu$ m  
 Uniformity = 1.437E+00

| Size (um) | Volume In % | Size (um) | Volume In % | Size (um) | Volume In % | Size (um) | Volume In % |
|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| 0.050     | 0.00        | 3.90      | 12.01       | 74.00     | 2.56        | 300.0     | 0.06        |
| 0.060     | 0.10        | 7.80      | 13.83       | 88.00     | 1.75        | 350.0     | 0.00        |
| 0.120     | 1.11        | 15.60     | 18.29       | 105.0     | 1.12        | 420.0     | 0.00        |
| 0.240     | 3.18        | 31.00     | 5.60        | 125.0     | 0.77        | 500.0     | 0.00        |
| 0.490     | 1.74        | 37.00     | 5.43        | 149.0     | 0.60        | 590.0     | 0.00        |
| 0.700     | 1.95        | 44.00     | 5.42        | 177.0     | 0.52        | 710.0     | 0.00        |
| 0.980     | 6.45        | 53.00     | 4.33        | 210.0     | 0.44        | 840.0     | 0.00        |
| 2.00      | 9.23        | 63.00     | 3.23        | 250.0     | 0.27        | 1000.0    | 0.00        |
| 3.90      |             | 74.00     |             | 300.0     |             | 2000.0    | 0.00        |

