

Figure 3

Result: Histogram Report

User Name: Paul Lyons

Security Level: 0

| Sample Details | | |
|---|-------------------|----------------------------|
| Sample ID: MAGBASE MGO | Run Number: 9 | Measured: 8 Jan 2003 14:42 |
| Sample File: 133521 | Record Number: 16 | Analysed: 8 Jan 2003 14:42 |
| Sample Path: C:\SIZERS\PAUL\SIZERR-21 | | Result Source: Analysed |
| Sample Notes: Dispersed in water and Calgon. Ultrasonics for 2 mins. | | |

| System Details | | | |
|------------------------------|-------------------------------------|---------------------------|--------------------|
| Range Lens: 300RF mm | Beam Length: 2.40 mm | Sampler: MS17 | Obscuration: 4.7 % |
| Presentation: 3QHD | [Particle R.I. = (1.7290, 0.1000); | Dispersant R.I. = 1.3300] | Residual: 0.393 % |
| Analysis Model: Polydisperse | Modifications: None | | |

| Result Statistics | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------------|
| Distribution Type: Volume | Concentration = 0.0045 %Vol | Density = 1.000 g / cub. cm | Specific S.A. = 1.0309 sq. m / g |
| Mean Diameters: | D (v, 0.1) = 3.69 um | D (v, 0.5) = 29.11 um | D (v, 0.9) = 89.90 um |
| D [4, 3] = 39.57 um | D [3, 2] = 5.82 um | Span = 2.962E+00 | Uniformity = 9.294E-01 |

| Size (um) | Volume Under % | Size (um) | Volume Under % | Size (um) | Volume Under % | Size (um) | Volume Under % |
|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|
| 0.231 | 0.45 | 1.44 | 5.00 | 9.02 | 20.40 | 56.33 | 75.09 |
| 0.266 | 0.63 | 1.66 | 5.57 | 10.39 | 22.84 | 64.86 | 80.26 |
| 0.307 | 0.85 | 1.92 | 6.17 | 11.96 | 25.56 | 74.67 | 84.90 |
| 0.353 | 1.09 | 2.21 | 6.84 | 13.77 | 28.56 | 85.97 | 88.88 |
| 0.407 | 1.36 | 2.54 | 7.57 | 15.85 | 31.87 | 98.98 | 92.17 |
| 0.468 | 1.66 | 2.92 | 8.40 | 18.25 | 35.50 | 114.0 | 94.79 |
| 0.539 | 1.98 | 3.37 | 9.32 | 21.01 | 39.48 | 131.2 | 96.80 |
| 0.620 | 2.33 | 3.87 | 10.38 | 24.19 | 43.80 | 151.0 | 98.25 |
| 0.714 | 2.71 | 4.46 | 11.58 | 27.85 | 48.47 | 173.9 | 99.25 |
| 0.822 | 3.11 | 5.14 | 12.94 | 32.06 | 53.44 | 200.2 | 99.84 |
| 0.947 | 3.54 | 5.91 | 14.49 | 36.92 | 58.66 | 230.5 | 100.00 |
| 1.09 | 3.99 | 6.81 | 16.23 | 42.50 | 64.06 | | |
| 1.26 | 4.48 | 7.84 | 18.20 | 48.93 | 69.56 | | |

