

# Particle Size Analysis -



20-30

03-21-2020

09:02

S3000/S3500  
S3668

|                |             |                   |                                                             |                   |       |                 |       |
|----------------|-------------|-------------------|-------------------------------------------------------------|-------------------|-------|-----------------|-------|
| Distribution:  | Volume      | Run Time:         | 10 Sec                                                      | Fluid:            | WATER |                 |       |
| Progression:   | Geom 8 Root | Run Num:          | 1 of 1                                                      | Fluid Ref. Index: | 1.333 | Loading Factor: | 0.040 |
| Upper Edge:    | 704         | Particle:         | CURRENT PARTICLE                                            | Above Residual:   | 0     | Transmission:   | 0.97  |
| Lower Edge:    | 0.122       | Transparency:     | Transparent                                                 | Below Residual:   | 0     |                 |       |
| Residuals:     | Disabled    | Part. Ref. Index: | 2.41                                                        |                   |       | Flow:           | 35 %  |
| Num. Channels: | 100         | Part. Shape:      | Irregular                                                   | Cell ID:          | 0507  | Usonic Power:   | N/A   |
| Analysis Mode: | X100        |                   |                                                             |                   |       | Usonic Time:    | N/A   |
| Filter:        | Enabled     | DB Record:        | 15982                                                       | Recalc Status:    |       | Serial Num:     | S3668 |
| Extended Rng:  | Disabled    | Database:         | C:\Program Files\Microtrac FLEX 10.2.9\Databases\DB2016.MDB |                   |       |                 |       |

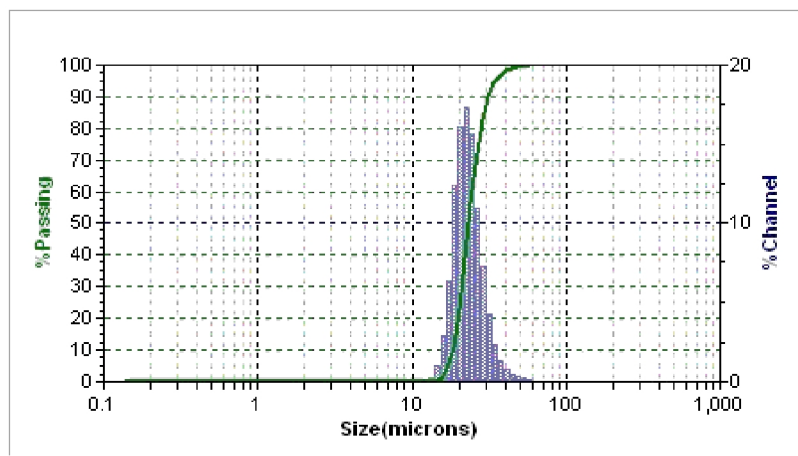
| Data Item | Value    |
|-----------|----------|
| MV(um):   | 24.22    |
| MN(um):   | 21.40    |
| MA(um):   | 23.13    |
| CS:       | 2.59E-01 |
| SD:       | 4.7800   |

| Size(um) | %Tile |
|----------|-------|
|          |       |
|          |       |
|          |       |
|          |       |
|          |       |
|          |       |
|          |       |
|          |       |
|          |       |

| %Tile | Size(um) |
|-------|----------|
| 5.00  | 17.22    |
| 10.00 | 18.40    |
| 30.00 | 20.99    |
| 40.00 | 22.11    |
| 50.00 | 23.24    |
| 60.00 | 24.46    |
| 90.00 | 31.05    |
| 95.00 | 34.59    |
| 97.00 | 37.46    |
| 99.00 | 44.45    |

| Dia   | Vol%  | Width |
|-------|-------|-------|
| 23.24 | 100.0 | 9.56  |
|       |       |       |
|       |       |       |
|       |       |       |
|       |       |       |

| Size(um) | %Chan | % Pass | Size(um) | %Chan | % Pass | Size(um) | %Chan | % Pass | Size(um) | %Chan | % Pass |
|----------|-------|--------|----------|-------|--------|----------|-------|--------|----------|-------|--------|
| 704.0    | 0.00  | 100.00 | 37.00    | 2.38  | 96.78  | 1.945    | 0.00  | 0.00   |          |       |        |
| 645.6    | 0.00  | 100.00 | 33.93    | 4.26  | 94.40  | 1.783    | 0.00  | 0.00   |          |       |        |
| 592.0    | 0.00  | 100.00 | 31.11    | 7.21  | 90.14  | 1.635    | 0.00  | 0.00   |          |       |        |
| 542.9    | 0.00  | 100.00 | 28.53    | 10.90 | 82.93  | 1.499    | 0.00  | 0.00   |          |       |        |
| 497.8    | 0.00  | 100.00 | 26.16    | 15.66 | 72.03  | 1.375    | 0.00  | 0.00   |          |       |        |
| 456.5    | 0.00  | 100.00 | 23.99    | 17.36 | 56.37  | 1.261    | 0.00  | 0.00   |          |       |        |
| 418.6    | 0.00  | 100.00 | 22.00    | 16.10 | 39.01  | 1.156    | 0.00  | 0.00   |          |       |        |
| 383.9    | 0.00  | 100.00 | 20.17    | 12.45 | 22.91  | 1.060    | 0.00  | 0.00   |          |       |        |
| 352.0    | 0.00  | 100.00 | 18.50    | 6.35  | 10.46  | 0.972    | 0.00  | 0.00   |          |       |        |
| 322.8    | 0.00  | 100.00 | 16.96    | 2.88  | 4.11   | 0.892    | 0.00  | 0.00   |          |       |        |
| 296.0    | 0.00  | 100.00 | 15.56    | 1.01  | 1.23   | 0.818    | 0.00  | 0.00   |          |       |        |
| 271.4    | 0.00  | 100.00 | 14.27    | 0.22  | 0.22   | 0.750    | 0.00  | 0.00   |          |       |        |
| 248.9    | 0.00  | 100.00 | 13.08    | 0.00  | 0.00   | 0.688    | 0.00  | 0.00   |          |       |        |
| 228.2    | 0.00  | 100.00 | 12.00    | 0.00  | 0.00   | 0.630    | 0.00  | 0.00   |          |       |        |
| 209.3    | 0.00  | 100.00 | 11.00    | 0.00  | 0.00   | 0.578    | 0.00  | 0.00   |          |       |        |
| 191.9    | 0.00  | 100.00 | 10.09    | 0.00  | 0.00   | 0.530    | 0.00  | 0.00   |          |       |        |
| 176.0    | 0.00  | 100.00 | 9.25     | 0.00  | 0.00   | 0.486    | 0.00  | 0.00   |          |       |        |
| 161.4    | 0.00  | 100.00 | 8.48     | 0.00  | 0.00   | 0.446    | 0.00  | 0.00   |          |       |        |
| 148.0    | 0.00  | 100.00 | 7.78     | 0.00  | 0.00   | 0.409    | 0.00  | 0.00   |          |       |        |
| 135.7    | 0.00  | 100.00 | 7.13     | 0.00  | 0.00   | 0.375    | 0.00  | 0.00   |          |       |        |
| 124.5    | 0.00  | 100.00 | 6.54     | 0.00  | 0.00   | 0.344    | 0.00  | 0.00   |          |       |        |
| 114.1    | 0.00  | 100.00 | 6.00     | 0.00  | 0.00   | 0.315    | 0.00  | 0.00   |          |       |        |
| 104.7    | 0.00  | 100.00 | 5.50     | 0.00  | 0.00   | 0.2890   | 0.00  | 0.00   |          |       |        |
| 95.96    | 0.00  | 100.00 | 5.04     | 0.00  | 0.00   | 0.2650   | 0.00  | 0.00   |          |       |        |
| 88.00    | 0.00  | 100.00 | 4.62     | 0.00  | 0.00   | 0.2430   | 0.00  | 0.00   |          |       |        |
| 80.70    | 0.00  | 100.00 | 4.24     | 0.00  | 0.00   | 0.2230   | 0.00  | 0.00   |          |       |        |
| 74.00    | 0.00  | 100.00 | 3.89     | 0.00  | 0.00   | 0.2040   | 0.00  | 0.00   |          |       |        |
| 67.86    | 0.00  | 100.00 | 3.57     | 0.00  | 0.00   | 0.1870   | 0.00  | 0.00   |          |       |        |
| 62.23    | 0.11  | 100.00 | 3.27     | 0.00  | 0.00   | 0.1720   | 0.00  | 0.00   |          |       |        |
| 57.06    | 0.20  | 99.89  | 2.999    | 0.00  | 0.00   | 0.1580   | 0.00  | 0.00   |          |       |        |
| 52.33    | 0.29  | 99.69  | 2.750    | 0.00  | 0.00   | 0.1450   | 0.00  | 0.00   |          |       |        |
| 47.98    | 0.46  | 99.40  | 2.522    | 0.00  | 0.00   | 0.1330   | 0.00  | 0.00   |          |       |        |
| 44.00    | 0.78  | 98.94  | 2.312    | 0.00  | 0.00   |          |       |        |          |       |        |
| 40.35    | 1.38  | 98.16  | 2.121    | 0.00  | 0.00   |          |       |        |          |       |        |



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Warnings: Laser 2 Power Failure High Background