| Volume | | | | | | Sphericity | | | |
|---|---|---|---|---|---|---|---|---|---|
| Slice 1 lower limit (µm) | Slice 2 lower limit (µm) | diff | lwr | upr | p adj | Slice 1 lower limit (µm) | Slice 2 lower limit (µm) | diff | lwr |
| 200 | 0 | 2756.13 | -372.45 | 5884.71 | 0.16 | 350 | 150 | -0.06 | -0.10 |
| 350 | 0 | 3173.63 | -539.09 | 6886.35 | 0.20 | 250 | 150 | -0.05 | -0.08 |
| 375 | 0 | 2418.30 | -1195.24 | 6031.84 | 0.63 | 275 | 150 | -0.04 | -0.07 |
| 350 | 150 | 2354.16 | -1193.51 | 5901.84 | 0.64 | 375 | 150 | -0.05 | -0.09 |
| 200 | 150 | 1936.66 | -994.16 | 4867.49 | 0.65 | 300 | 150 | -0.04 | -0.07 |
| 350 | 275 | 1951.81 | -1374.84 | 5278.47 | 0.82 | 350 | 100 | -0.05 | -0.10 |
| 350 | 325 | 2030.90 | -1449.39 | 5511.20 | 0.82 | 350 | 125 | -0.05 | -0.09 |
| 275 | 200 | -1534.31 | -4193.32 | 1124.70 | 0.84 | 250 | 125 | -0.04 | -0.07 |
| 125 | 0 | 1906.54 | -1417.61 | 5230.70 | 0.84 | 250 | 100 | -0.04 | -0.08 |
| 325 | 200 | -1613.40 | -4462.29 | 1235.49 | 0.85 | 350 | 200 | -0.04 | -0.09 |
| 350 | 25 | 2353.48 | -1887.19 | 6594.15 | 0.87 | 350 | 175 | -0.05 | -0.09 |
| 350 | 300 | 1798.11 | -1543.18 | 5139.40 | 0.90 | 350 | 0 | -0.05 | -0.09 |
| 225 | 0 | 1755.81 | -1509.95 | 5021.58 | 0.90 | 375 | 100 | -0.05 | -0.09 |
| 100 | 0 | 1942.38 | -1671.17 | 5555.92 | 0.90 | 375 | 125 | -0.04 | -0.09 |
| 25 | 200 | -1935.98 | -5675.90 | 1803.94 | 0.92 | 250 | 200 | -0.03 | -0.07 |
| 300 | 200 | -1380.61 | -4057.91 | 1296.69 | 0.93 | 250 | 175 | -0.04 | -0.07 |
| 50 | 0 | 1897.02 | -1837.60 | 5631.65 | 0.93 | 75 | 350 | 0.05 | 0.00 |
| 250 | 0 | 1549.13 | -1515.50 | 4613.76 | 0.94 | 350 | 225 | -0.04 | -0.08 |
| 175 | 0 | 1642.17 | -1623.60 | 4907.93 | 0.94 | 275 | 100 | -0.04 | -0.08 |
| 75 | 350 | -1906.20 | -5779.65 | 1967.24 | 0.95 | 275 | 125 | -0.03 | -0.07 |
| 350 | 250 | 1624.51 | -1780.32 | 5029.33 | 0.96 | 250 | 0 | -0.04 | -0.07 |
| 375 | 150 | 1598.83 | -1844.92 | 5042.58 | 0.97 | 375 | 175 | -0.04 | -0.08 |
| 300 | 0 | 1375.52 | -1618.37 | 4369.41 | 0.97 | 375 | 200 | -0.04 | -0.08 |
| 75 | 200 | -1488.70 | -4806.43 | 1829.02 | 0.98 | 300 | 100 | -0.04 | -0.07 |
| 250 | 200 | -1207.00 | -3963.19 | 1549.18 | 0.98 | 300 | 125 | -0.03 | -0.07 |
| 350 | 175 | 1531.47 | -2055.47 | 5118.40 | 0.99 | 325 | 150 | -0.03 | -0.07 |
| 275 | 0 | 1221.82 | -1755.72 | 4199.37 | 0.99 | 375 | 0 | -0.04 | -0.08 |
| 350 | 225 | 1417.82 | -2169.11 | 5004.75 | 0.99 | 75 | 250 | 0.04 | 0.00 |
| 375 | 25 | 1598.14 | -2555.97 | 5752.26 | 1.00 | 250 | 225 | -0.03 | -0.06 |
| 375 | 325 | 1275.57 | -2098.72 | 4649.86 | 1.00 | 75 | 375 | 0.04 | -0.01 |
| 200 | 175 | 1113.97 | -1864.26 | 4092.19 | 1.00 | 275 | 200 | -0.03 | -0.06 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 375 | 275 | 1196.48 | -2019.12 | 4412.07 | 1.00 | 275 | 175 | -0.03 | -0.06 |
| 325 | 0 | 1142.73 | -2005.54 | 4291.00 | 1.00 | 375 | 225 | -0.03 | -0.08 |
| 75 | 0 | 1267.43 | -2310.66 | 4845.52 | 1.00 | 350 | 25 | -0.04 | -0.09 |
| 350 | 125 | 1267.09 | -2373.08 | 4907.26 | 1.00 | 275 | 0 | -0.03 | -0.06 |
| 150 | 125 | -1087.07 | -4225.82 | 2051.67 | 1.00 | 300 | 200 | -0.03 | -0.06 |
| 225 | 200 | -1000.32 | -3978.54 | 1977.90 | 1.00 | 300 | 175 | -0.03 | -0.06 |
| 150 | 100 | -1122.91 | -4566.66 | 2320.84 | 1.00 | 300 | 0 | -0.03 | -0.06 |
| 375 | 300 | 1042.78 | -2187.95 | 4273.51 | 1.00 | 75 | 275 | 0.03 | -0.01 |
| 50 | 350 | -1276.61 | -5295.10 | 2741.88 | 1.00 | 275 | 225 | -0.02 | -0.06 |
| 350 | 100 | 1231.26 | -2674.96 | 5137.48 | 1.00 | 75 | 300 | 0.03 | -0.01 |
| 75 | 375 | -1150.87 | -4929.36 | 2627.62 | 1.00 | 325 | 100 | -0.03 | -0.07 |
| 225 | 150 | 936.34 | -2140.50 | 4013.18 | 1.00 | 375 | 25 | -0.03 | -0.08 |
| 50 | 150 | 1077.56 | -2493.03 | 4648.15 | 1.00 | 250 | 25 | -0.03 | -0.07 |
| 200 | 125 | 849.59 | -2192.54 | 3891.72 | 1.00 | 300 | 225 | -0.02 | -0.06 |
| 25 | 125 | -1086.39 | -4991.38 | 2818.61 | 1.00 | 50 | 150 | -0.03 | -0.07 |
| 25 | 100 | -1122.22 | -5276.34 | 3031.90 | 1.00 | 325 | 125 | -0.02 | -0.06 |
| 175 | 150 | 822.70 | -2254.14 | 3899.54 | 1.00 | 350 | 325 | -0.03 | -0.07 |
| 375 | 250 | 869.17 | -2427.22 | 4165.57 | 1.00 | 50 | 350 | 0.03 | -0.02 |
| 250 | 150 | 729.66 | -2132.80 | 3592.12 | 1.00 | 275 | 25 | -0.02 | -0.07 |
| 150 | 0 | 819.47 | -2403.13 | 4042.07 | 1.00 | 325 | 175 | -0.02 | -0.05 |
| 50 | 25 | 1076.87 | -3182.99 | 5336.73 | 1.00 | 325 | 200 | -0.02 | -0.05 |
| 325 | 125 | -763.81 | -3826.19 | 2298.56 | 1.00 | 300 | 25 | -0.02 | -0.07 |
| 50 | 200 | -859.11 | -4345.07 | 2626.86 | 1.00 | 325 | 0 | -0.02 | -0.06 |
| 25 | 225 | -935.66 | -4791.07 | 2919.76 | 1.00 | 50 | 100 | -0.02 | -0.07 |
| 200 | 100 | 813.76 | -2542.17 | 4169.69 | 1.00 | 75 | 325 | 0.02 | -0.02 |
| 275 | 125 | -684.72 | -3571.30 | 2201.86 | 1.00 | 50 | 375 | 0.02 | -0.02 |
| 325 | 100 | -799.65 | -4173.94 | 2574.65 | 1.00 | 375 | 325 | -0.02 | -0.06 |
| 275 | 100 | -720.55 | -3936.15 | 2495.04 | 1.00 | 350 | 300 | -0.02 | -0.06 |
| 375 | 175 | 776.13 | -2708.04 | 4260.31 | 1.00 | 50 | 125 | -0.02 | -0.06 |
| 50 | 325 | 754.29 | -2749.36 | 4257.94 | 1.00 | 225 | 150 | -0.02 | -0.05 |
| 25 | 175 | -822.01 | -4677.43 | 3033.41 | 1.00 | 325 | 250 | 0.02 | -0.02 |
| 25 | 0 | 820.16 | -3152.55 | 4792.87 | 1.00 | 50 | 250 | 0.02 | -0.02 |
| 325 | 225 | -613.08 | -3611.98 | 2385.82 | 1.00 | 350 | 275 | -0.02 | -0.06 |
| 50 | 275 | 675.20 | -2675.88 | 4026.28 | 1.00 | 325 | 225 | -0.02 | -0.05 |
| 300 | 150 | 556.05 | -2230.54 | 3342.64 | 1.00 | 200 | 150 | -0.01 | -0.05 |

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|---|---|---|---|---|---|---|---|---|---|
| 250 | 25 | 728.97 | -2957.62 | 4415.57 | 1.00 | 25 | 150 | -0.02 | -0.06 |
| 375 | 350 | -755.33 | -4661.55 | 3150.88 | 1.00 | 50 | 175 | -0.02 | -0.06 |
| 275 | 225 | -533.99 | -3353.14 | 2285.16 | 1.00 | 50 | 0 | -0.02 | -0.06 |
| 375 | 225 | 662.49 | -2821.69 | 4146.66 | 1.00 | 50 | 200 | -0.01 | -0.06 |
| 300 | 125 | -531.02 | -3434.45 | 2372.41 | 1.00 | 75 | 50 | 0.02 | -0.03 |
| 75 | 125 | -639.11 | -4141.87 | 2863.64 | 1.00 | 175 | 150 | -0.01 | -0.05 |
| 75 | 100 | -674.95 | -4453.44 | 3103.54 | 1.00 | 325 | 25 | -0.01 | -0.06 |
| 300 | 100 | -566.85 | -3797.58 | 2663.88 | 1.00 | 150 | 0 | 0.01 | -0.03 |
| 325 | 175 | -499.44 | -3498.34 | 2499.46 | 1.00 | 50 | 275 | 0.01 | -0.03 |
| 75 | 50 | -629.60 | -4524.04 | 3264.85 | 1.00 | 75 | 150 | -0.01 | -0.05 |
| 125 | 100 | -35.83 | -3574.79 | 3503.13 | 1.00 | 225 | 100 | -0.01 | -0.05 |
| 175 | 100 | -300.21 | -3784.39 | 3183.97 | 1.00 | 375 | 300 | -0.01 | -0.05 |
| 225 | 100 | -186.56 | -3670.74 | 3297.61 | 1.00 | 325 | 275 | 0.01 | -0.02 |
| 250 | 100 | -393.25 | -3689.64 | 2903.15 | 1.00 | 50 | 300 | 0.01 | -0.03 |
| 375 | 100 | 475.92 | -3336.15 | 4288.00 | 1.00 | 350 | 250 | -0.01 | -0.05 |
| 50 | 100 | -45.35 | -3972.39 | 3881.69 | 1.00 | 50 | 225 | -0.01 | -0.05 |
| 175 | 125 | -264.38 | -3447.42 | 2918.67 | 1.00 | 25 | 100 | -0.01 | -0.06 |
| 225 | 125 | -150.73 | -3333.78 | 3032.32 | 1.00 | 375 | 275 | -0.01 | -0.05 |
| 250 | 125 | -357.42 | -3333.74 | 2618.91 | 1.00 | 325 | 300 | 0.01 | -0.02 |
| 375 | 125 | 511.76 | -3027.20 | 4050.72 | 1.00 | 200 | 100 | -0.01 | -0.05 |
| 50 | 125 | -9.52 | -3672.02 | 3652.99 | 1.00 | 300 | 250 | 0.01 | -0.02 |
| 25 | 150 | 0.69 | -3818.23 | 3819.61 | 1.00 | 225 | 125 | -0.01 | -0.05 |
| 275 | 150 | 402.35 | -2366.67 | 3171.38 | 1.00 | 50 | 25 | -0.01 | -0.06 |
| 325 | 150 | 323.26 | -2628.57 | 3275.09 | 1.00 | 150 | 125 | 0.01 | -0.03 |
| 75 | 150 | 447.96 | -2958.57 | 3854.49 | 1.00 | 175 | 100 | -0.01 | -0.05 |
| 225 | 175 | 113.65 | -3008.38 | 3235.67 | 1.00 | 275 | 250 | 0.01 | -0.02 |
| 250 | 175 | -93.04 | -3004.01 | 2817.94 | 1.00 | 25 | 125 | -0.01 | -0.06 |
| 275 | 175 | -420.34 | -3239.49 | 2398.80 | 1.00 | 100 | 0 | 0.01 | -0.03 |
| 300 | 175 | -266.64 | -3103.04 | 2569.76 | 1.00 | 75 | 100 | -0.01 | -0.05 |
| 50 | 175 | 254.86 | -3354.74 | 3864.46 | 1.00 | 200 | 125 | -0.01 | -0.04 |
| 75 | 175 | -374.74 | -3822.13 | 3072.66 | 1.00 | 375 | 350 | 0.01 | -0.04 |
| 350 | 200 | 417.50 | -3044.99 | 3879.99 | 1.00 | 125 | 0 | 0.00 | -0.03 |
| 375 | 200 | -337.83 | -3693.76 | 3018.10 | 1.00 | 175 | 0 | 0.00 | -0.04 |
| 250 | 225 | -206.68 | -3117.66 | 2704.29 | 1.00 | 200 | 0 | 0.00 | -0.04 |
| 300 | 225 | -380.29 | -3216.69 | 2456.11 | 1.00 | 225 | 0 | 0.00 | -0.04 |

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|---|---|---|---|---|---|---|---|---|---|
| 50 | 225 | 141.21 | -3468.39 | 3750.81 | 1.00 | 25 | 0 | 0.00 | -0.05 |
| 75 | 225 | -488.38 | -3935.78 | 2959.01 | 1.00 | 75 | 0 | 0.00 | -0.04 |
| 275 | 25 | 401.67 | -3212.86 | 4016.19 | 1.00 | 125 | 100 | 0.00 | -0.05 |
| 300 | 25 | 555.37 | -3072.63 | 4183.36 | 1.00 | 150 | 100 | 0.00 | -0.04 |
| 325 | 25 | 322.57 | -3433.83 | 4078.98 | 1.00 | 175 | 125 | 0.00 | -0.04 |
| 75 | 25 | 447.27 | -3676.04 | 4570.59 | 1.00 | 75 | 125 | 0.00 | -0.05 |
| 275 | 250 | -327.31 | -2910.78 | 2256.17 | 1.00 | 200 | 175 | 0.00 | -0.04 |
| 300 | 250 | -173.61 | -2775.89 | 2428.68 | 1.00 | 225 | 175 | 0.00 | -0.04 |
| 325 | 250 | -406.40 | -3184.91 | 2372.12 | 1.00 | 25 | 175 | 0.00 | -0.05 |
| 50 | 250 | 347.90 | -3080.80 | 3776.59 | 1.00 | 75 | 175 | 0.00 | -0.04 |
| 75 | 250 | -281.70 | -3539.20 | 2975.80 | 1.00 | 225 | 200 | 0.00 | -0.04 |
| 300 | 275 | 153.70 | -2345.44 | 2652.84 | 1.00 | 25 | 200 | 0.00 | -0.05 |
| 325 | 275 | -79.09 | -2761.24 | 2603.06 | 1.00 | 75 | 200 | 0.00 | -0.04 |
| 75 | 275 | 45.61 | -3130.10 | 3221.31 | 1.00 | 25 | 225 | 0.00 | -0.05 |
| 325 | 300 | -232.79 | -2933.08 | 2467.49 | 1.00 | 75 | 225 | 0.00 | -0.04 |
| 50 | 300 | 521.50 | -2844.11 | 3887.11 | 1.00 | 75 | 25 | 0.00 | -0.04 |
| 75 | 300 | -108.09 | -3299.12 | 3082.94 | 1.00 | 375 | 250 | 0.00 | -0.04 |
| 75 | 325 | 124.70 | -3211.60 | 3461.00 | 1.00 | 300 | 275 | 0.00 | -0.03 |
| 50 | 375 | -521.27 | -4448.32 | 3405.77 | 1.00 | 50 | 325 | 0.00 | -0.04 |

| upr | p adj |
|---|---|
| -0.02 | 0.00 |
| -0.01 | 0.00 |
| -0.01 | 0.00 |
| -0.01 | 0.00 |
| -0.01 | 0.00 |
| -0.01 | 0.00 |
| -0.01 | 0.00 |
| 0.00 | 0.01 |
| 0.00 | 0.01 |
| 0.00 | 0.01 |
| 0.00 | 0.02 |
| 0.00 | 0.02 |
| 0.00 | 0.03 |
| 0.00 | 0.03 |
| 0.00 | 0.03 |
| 0.00 | 0.04 |
| 0.09 | 0.04 |
| 0.00 | 0.05 |
| 0.00 | 0.06 |
| 0.00 | 0.06 |
| 0.00 | 0.07 |
| 0.00 | 0.08 |
| 0.00 | 0.08 |
| 0.00 | 0.09 |
| 0.00 | 0.10 |
| 0.00 | 0.10 |
| 0.00 | 0.11 |
| 0.07 | 0.12 |
| 0.00 | 0.14 |
| 0.08 | 0.16 |
| 0.00 | 0.16 |

| | |
|---|---|
| 0.00 | 0.17 |
| 0.01 | 0.22 |
| 0.01 | 0.23 |
| 0.01 | 0.24 |
| 0.01 | 0.25 |
| 0.01 | 0.25 |
| 0.01 | 0.33 |
| 0.07 | 0.35 |
| 0.01 | 0.44 |
| 0.07 | 0.45 |
| 0.01 | 0.54 |
| 0.01 | 0.54 |
| 0.01 | 0.55 |
| 0.01 | 0.56 |
| 0.01 | 0.59 |
| 0.01 | 0.63 |
| 0.01 | 0.66 |
| 0.08 | 0.69 |
| 0.02 | 0.85 |
| 0.02 | 0.87 |
| 0.02 | 0.89 |
| 0.02 | 0.90 |
| 0.02 | 0.90 |
| 0.02 | 0.91 |
| 0.06 | 0.94 |
| 0.07 | 0.95 |
| 0.02 | 0.95 |
| 0.02 | 0.96 |
| 0.02 | 0.96 |
| 0.02 | 0.96 |
| 0.05 | 0.97 |
| 0.06 | 0.97 |
| 0.02 | 0.98 |
| 0.02 | 0.98 |
| 0.02 | 0.99 |

| | |
|---|---|
| 0.03 | 0.99 |
| 0.03 | 1.00 |
| 0.03 | 1.00 |
| 0.03 | 1.00 |
| 0.06 | 1.00 |
| 0.02 | 1.00 |
| 0.03 | 1.00 |
| 0.05 | 1.00 |
| 0.05 | 1.00 |
| 0.03 | 1.00 |
| 0.03 | 1.00 |
| 0.03 | 1.00 |
| 0.04 | 1.00 |
| 0.05 | 1.00 |
| 0.03 | 1.00 |
| 0.03 | 1.00 |
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| 0.04 | 1.00 |
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| 0.05 | 1.00 |
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| 0.04 | 1.00 |
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| 0.03 | 1.00 |
| 0.04 | 1.00 |
| 0.04 | 1.00 |
| 0.05 | 1.00 |
| 0.05 | 1.00 |
| 0.05 | 1.00 |
| 0.03 | 1.00 |
| 0.03 | 1.00 |
| 0.04 | 1.00 |