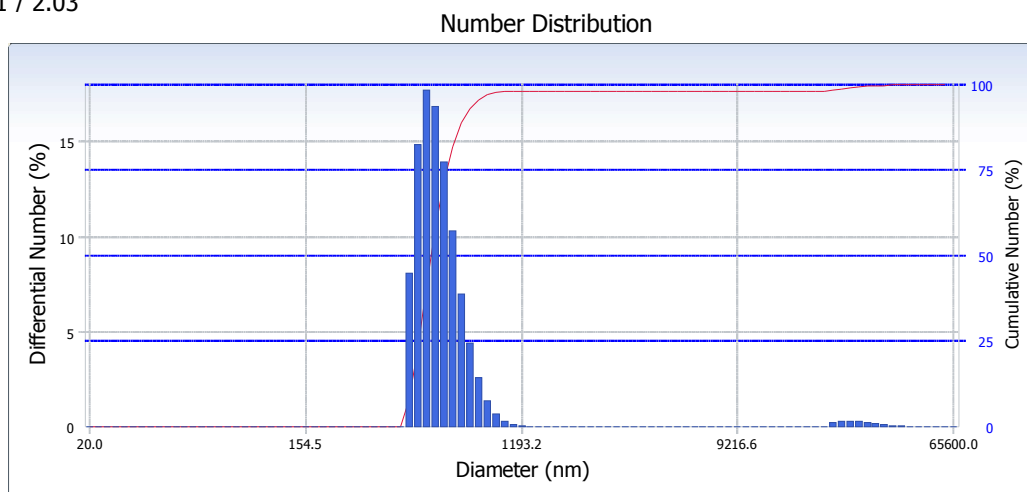


Number Distribution

S/N : 123909

| | | |
|---------------------|--|------------------|
| User : Common | Group : | Repetition : 1/1 |
| Date : 3/11/2016 | File Name : glukosamin_20160311_153137 | |
| Time : 15:31:37 | Sample Information : | |
| SOP Name : sampel F | Security : No Security | |

Version 2.31 / 2.03



Distribution Results (Contin)

| Peak | Diameter (nm) | Std. Dev. |
|---------|---------------|-----------|
| 1 | 550.6 | 111.1 |
| 2 | 30,003.3 | 6,280.2 |
| 3 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 |
| Average | 1,076.8 | 3,992.0 |

Residual : 2.115e-002 (N.G)

Cumulants Results

Diameter (d) : 2076.6 (nm)
Polydispersity Index (P.I.) : 0.770
Diffusion Const. (D) : 2.369e-009 (cm²/sec)

Measurement Condition

Temperature : 25.0 (°C)
Diluent Name : WATER
Refractive Index : 1.3328
Viscosity : 0.8878 (cP)
Scattering Intensity : 5597 (cps)

Number Distribution Table

| d (nm) | f(%) | f(cum.%) | d (nm) | f(%) | f(cum.%) | d (nm) | f(%) | f(cum.%) | d (nm) | f(%) | f(cum.%) |
|--------|------|----------|--------|------|----------|--------|------|----------|---------|------|----------|
| 20.0 | 0.0 | 0.0 | 154.5 | 0.0 | 0.0 | 1193.2 | 0.0 | 98.2 | 9216.6 | 0.0 | 98.2 |
| 21.7 | 0.0 | 0.0 | 167.6 | 0.0 | 0.0 | 1294.9 | 0.0 | 98.2 | 10002.0 | 0.0 | 98.2 |
| 23.6 | 0.0 | 0.0 | 181.9 | 0.0 | 0.0 | 1405.2 | 0.0 | 98.2 | 10854.2 | 0.0 | 98.2 |
| 25.6 | 0.0 | 0.0 | 197.4 | 0.0 | 0.0 | 1525.0 | 0.0 | 98.2 | 11779.1 | 0.0 | 98.2 |
| 27.7 | 0.0 | 0.0 | 214.3 | 0.0 | 0.0 | 1654.9 | 0.0 | 98.2 | 12782.8 | 0.0 | 98.2 |
| 30.1 | 0.0 | 0.0 | 232.5 | 0.0 | 0.0 | 1795.9 | 0.0 | 98.2 | 13872.0 | 0.0 | 98.2 |
| 32.7 | 0.0 | 0.0 | 252.3 | 0.0 | 0.0 | 1949.0 | 0.0 | 98.2 | 15054.1 | 0.0 | 98.2 |
| 35.5 | 0.0 | 0.0 | 273.8 | 0.0 | 0.0 | 2115.1 | 0.0 | 98.2 | 16336.8 | 0.0 | 98.2 |
| 38.5 | 0.0 | 0.0 | 297.2 | 0.0 | 0.0 | 2295.3 | 0.0 | 98.2 | 17728.9 | 0.0 | 98.2 |
| 41.7 | 0.0 | 0.0 | 322.5 | 0.0 | 0.0 | 2490.9 | 0.0 | 98.2 | 19239.6 | 0.0 | 98.2 |
| 45.3 | 0.0 | 0.0 | 350.0 | 0.0 | 0.0 | 2703.1 | 0.0 | 98.2 | 20879.0 | 0.0 | 98.2 |
| 49.2 | 0.0 | 0.0 | 379.8 | 0.0 | 0.0 | 2933.4 | 0.0 | 98.2 | 22658.1 | 0.2 | 98.4 |
| 53.4 | 0.0 | 0.0 | 412.1 | 8.1 | 8.1 | 3183.4 | 0.0 | 98.2 | 24588.8 | 0.3 | 98.7 |
| 57.9 | 0.0 | 0.0 | 447.3 | 14.8 | 22.9 | 3454.7 | 0.0 | 98.2 | 26684.0 | 0.3 | 99.0 |
| 62.8 | 0.0 | 0.0 | 485.4 | 17.7 | 40.6 | 3749.0 | 0.0 | 98.2 | 28957.8 | 0.3 | 99.3 |
| 68.2 | 0.0 | 0.0 | 526.7 | 16.9 | 57.5 | 4068.5 | 0.0 | 98.2 | 31425.3 | 0.2 | 99.5 |
| 74.0 | 0.0 | 0.0 | 571.6 | 13.9 | 71.4 | 4415.2 | 0.0 | 98.2 | 34103.0 | 0.2 | 99.7 |
| 80.3 | 0.0 | 0.0 | 620.3 | 10.3 | 81.7 | 4791.4 | 0.0 | 98.2 | 37009.0 | 0.1 | 99.8 |
| 87.2 | 0.0 | 0.0 | 673.2 | 7.0 | 88.7 | 5199.6 | 0.0 | 98.2 | 40162.5 | 0.1 | 99.9 |
| 94.6 | 0.0 | 0.0 | 730.5 | 4.4 | 93.1 | 5642.7 | 0.0 | 98.2 | 43584.7 | 0.0 | 100.0 |

| | | |
|----------------------|----------------------|----------------------|
| D (10%) : 416.5 (nm) | D (50%) : 507.9 (nm) | D (90%) : 689.6 (nm) |
|----------------------|----------------------|----------------------|

Number Distribution Table

| d (nm) | f(%) | f(cum.%) | d (nm) | f(%) | f(cum.%) | d (nm) | f(%) | f(cum.%) | d (nm) | f(%) | f(cum.%) |
|--------|------|----------|--------|------|----------|--------|------|----------|---------|------|----------|
| 102.6 | 0.0 | 0.0 | 792.8 | 2.6 | 95.7 | 6123.5 | 0.0 | 98.2 | 47298.6 | 0.0 | 100.0 |
| 111.4 | 0.0 | 0.0 | 860.3 | 1.4 | 97.0 | 6645.3 | 0.0 | 98.2 | 51328.9 | 0.0 | 100.0 |
| 120.9 | 0.0 | 0.0 | 933.6 | 0.7 | 97.7 | 7211.6 | 0.0 | 98.2 | 55702.7 | 0.0 | 100.0 |
| 131.2 | 0.0 | 0.0 | 1013.2 | 0.3 | 98.0 | 7826.1 | 0.0 | 98.2 | 60449.1 | 0.0 | 100.0 |
| 142.4 | 0.0 | 0.0 | 1099.5 | 0.1 | 98.2 | 8492.9 | 0.0 | 98.2 | 65600.0 | 0.0 | 100.0 |

| | | | | | |
|-----------|------------|-----------|------------|-----------|------------|
| D (10%) : | 416.5 (nm) | D (50%) : | 507.9 (nm) | D (90%) : | 689.6 (nm) |
|-----------|------------|-----------|------------|-----------|------------|