

Sample

Name : GNP29.2.16_0.8
Mesured On : 29.02.2016 14:41
by : Hannelore **logged as** : Expert
Comments from Hannelore :

SOP

Name : defaultSOP
Mode : Statistical **Acquisitions** : 5
Time limitation : 60 s
Noise limitation : 1.1 %
Temperature : 25 °C

Device Settings

| | | | |
|----------------------|-------------|---------------------------|----------|
| Time interval | : 1 μ s | Number of channels | : 600 |
| Laser power | : 36.6 % | Wavelength | : 657 nm |
| DTC Position | : UP | | |

Liquid Medium

| | | | |
|-------------------------|---------|------------------|------------|
| Refractive index | : 1.331 | Viscosity | : 0.888 cP |
|-------------------------|---------|------------------|------------|

Particles

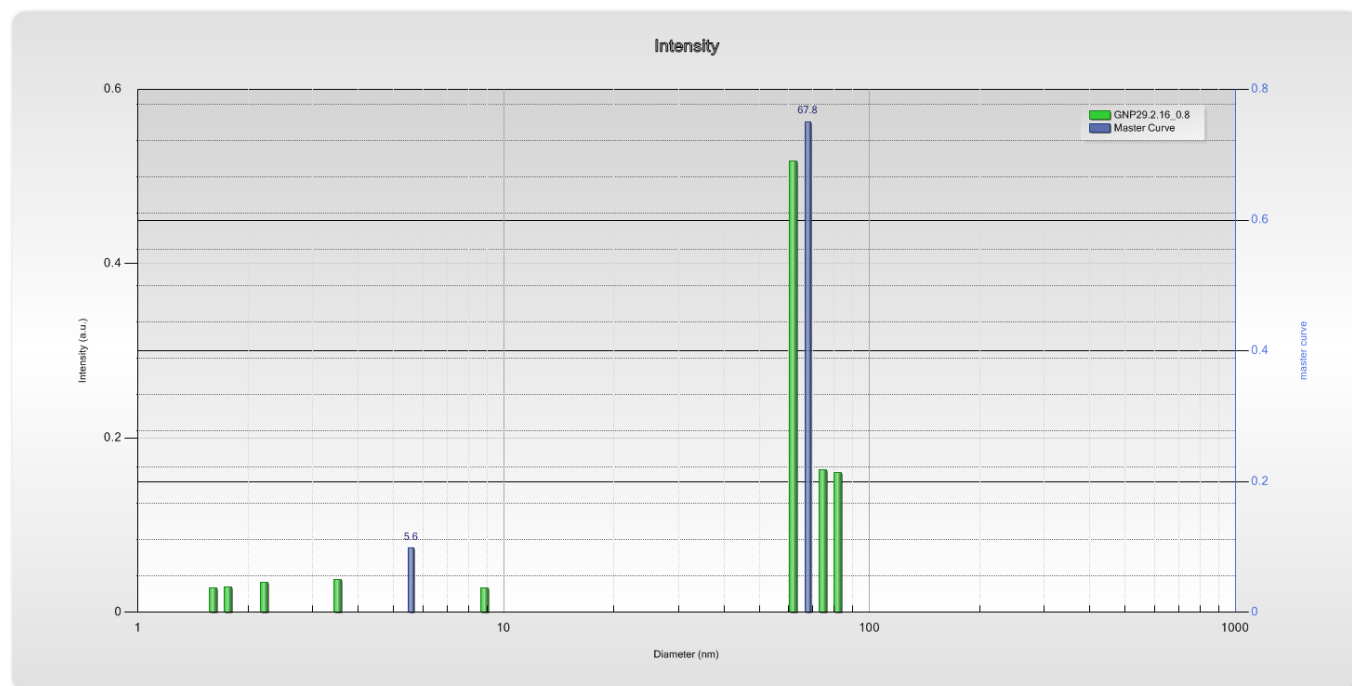
| | | | |
|------------------|--------|-----------------------|--------|
| Real part | : 1.56 | Imaginary part | : 0.01 |
|------------------|--------|-----------------------|--------|

Algorithm

| | | |
|--------------|-----------|-----|
| Pade Laplace | Cumulants | SBL |
|--------------|-----------|-----|

Measurement

Average count rate : 3150 kcps
Number of rejected : 0
Duration : 00:06:06
Number of modified : 1

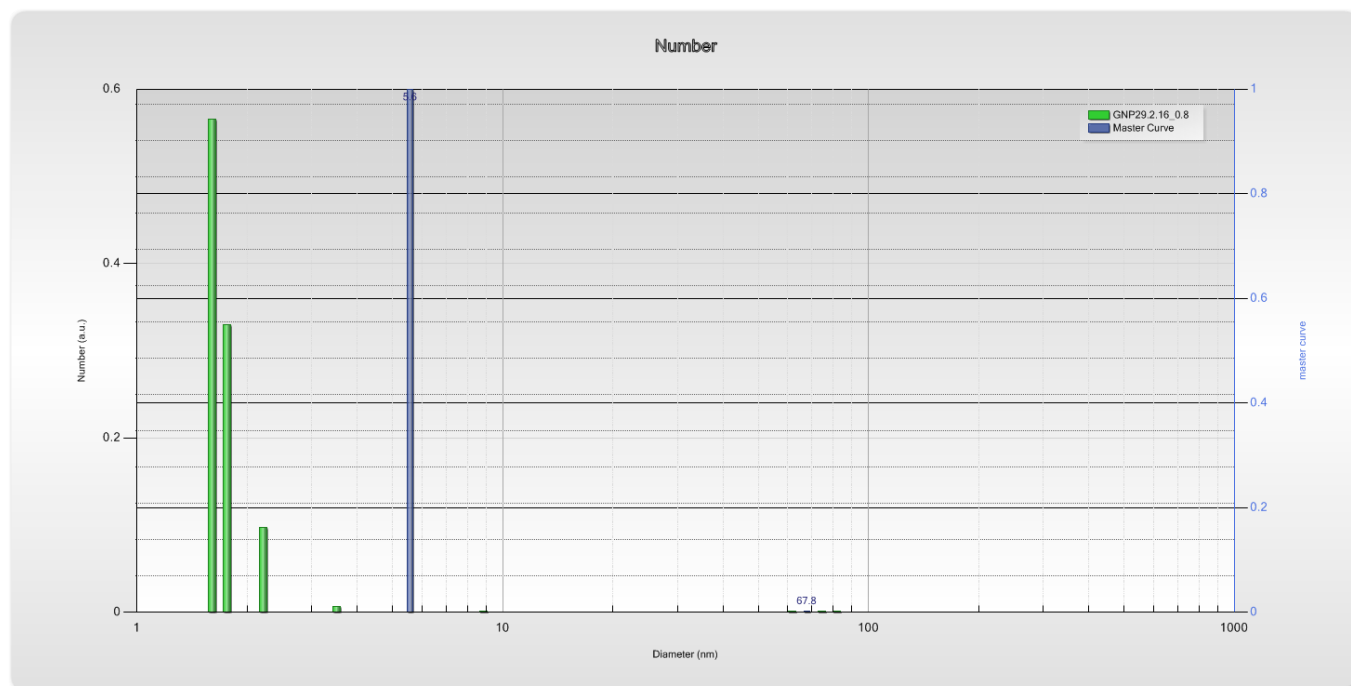


Dispersion statistics

Di 10%: 3.52 nm

Di 50%: 61.83 nm

Di 90%: 81.59 nm

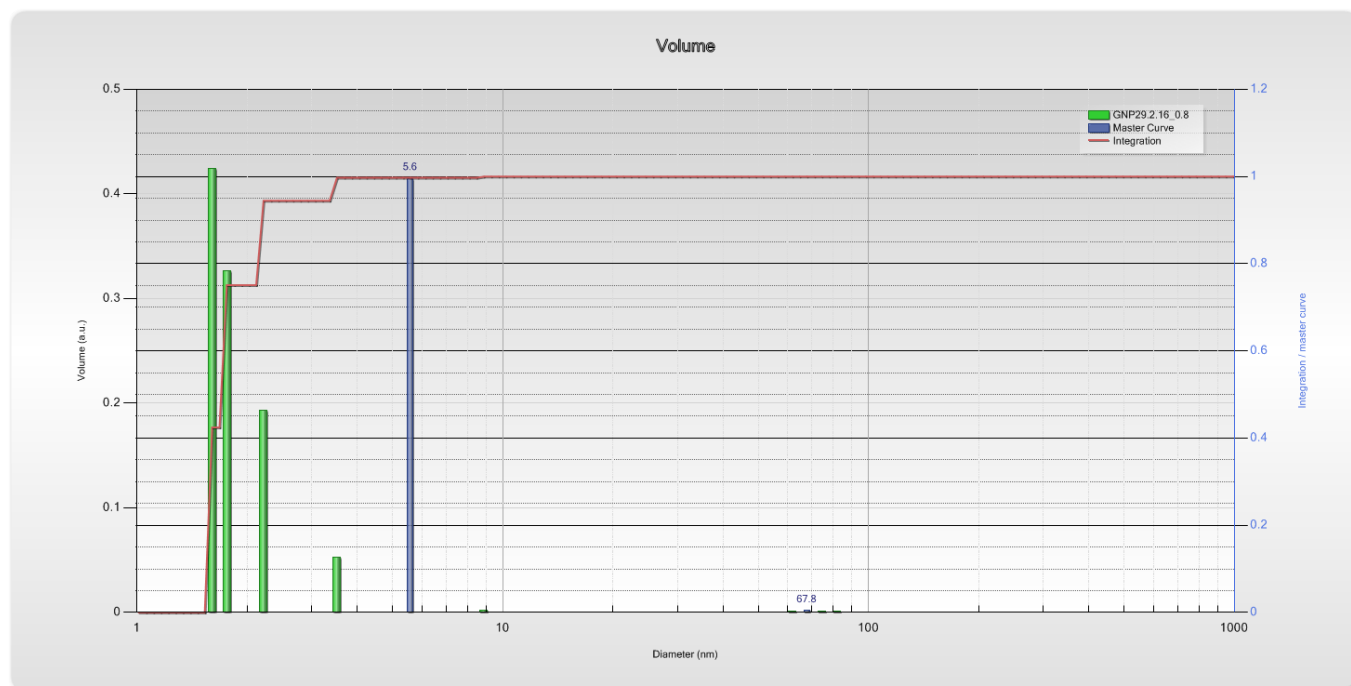


Dispersion statistics

Dn 10%: 1.6 nm

Dn 50%: 1.6 nm

Dn 90%: 2.22 nm

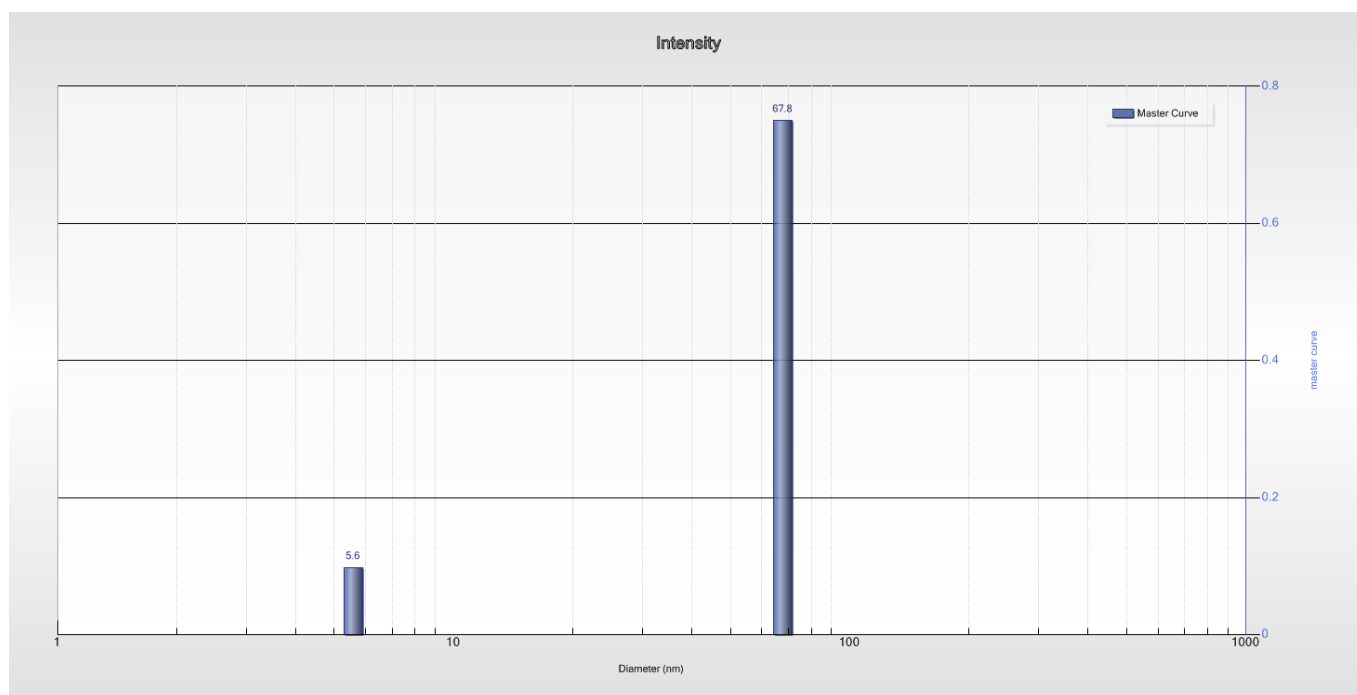


Dispersion statistics

Dv 10%: 1.6 nm

Dv 50%: 1.76 nm

Dv 90%: 2.22 nm



Dispersion statistics

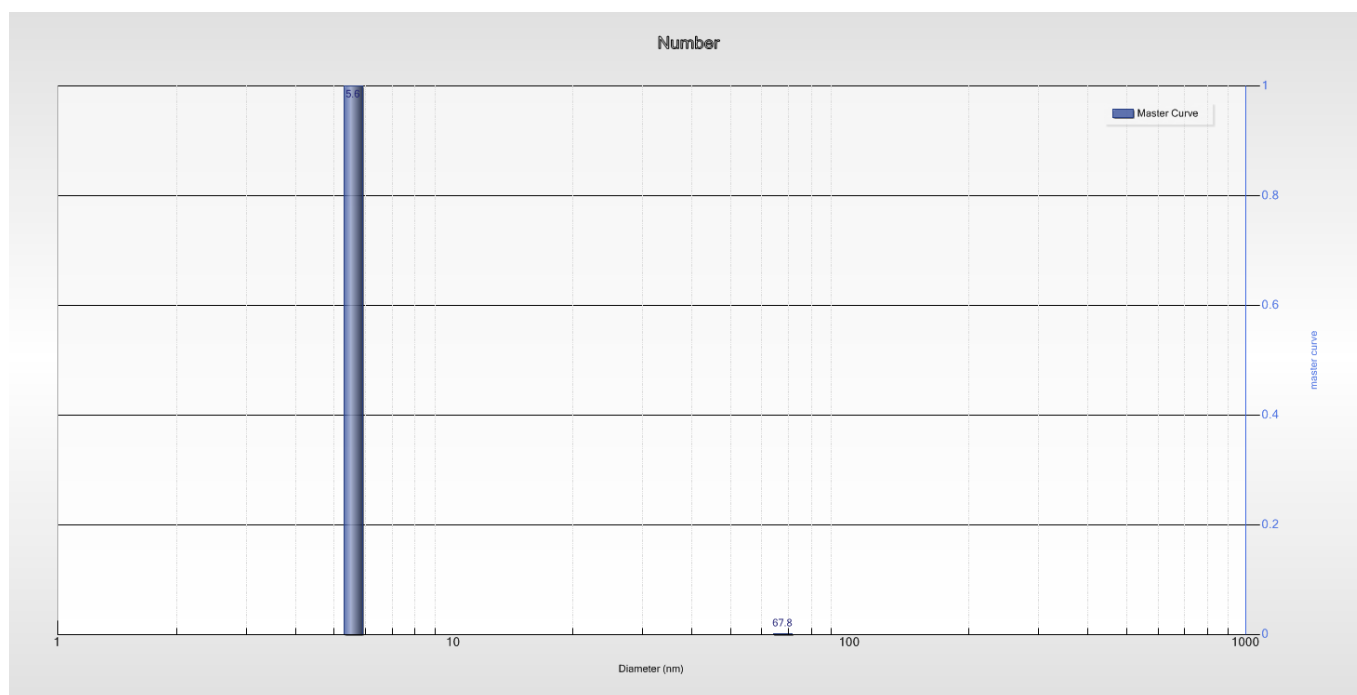
Di 10%: 5.58 nm
Mean Intensity: 60.61 nm

Di 50%: 67.81 nm

Di 90%: 67.81 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m ² /s) |
|-----------|-----------|------------|--------------------------------------|
| 0.57 | 0.09 | 453613.43 | 85.81631E-011 |
| 5.55 | 0.1 | 46794.05 | 88.52676E-012 |
| 68.65 | 0.75 | 3784.58 | 71.59814E-013 |



Dispersion statistics

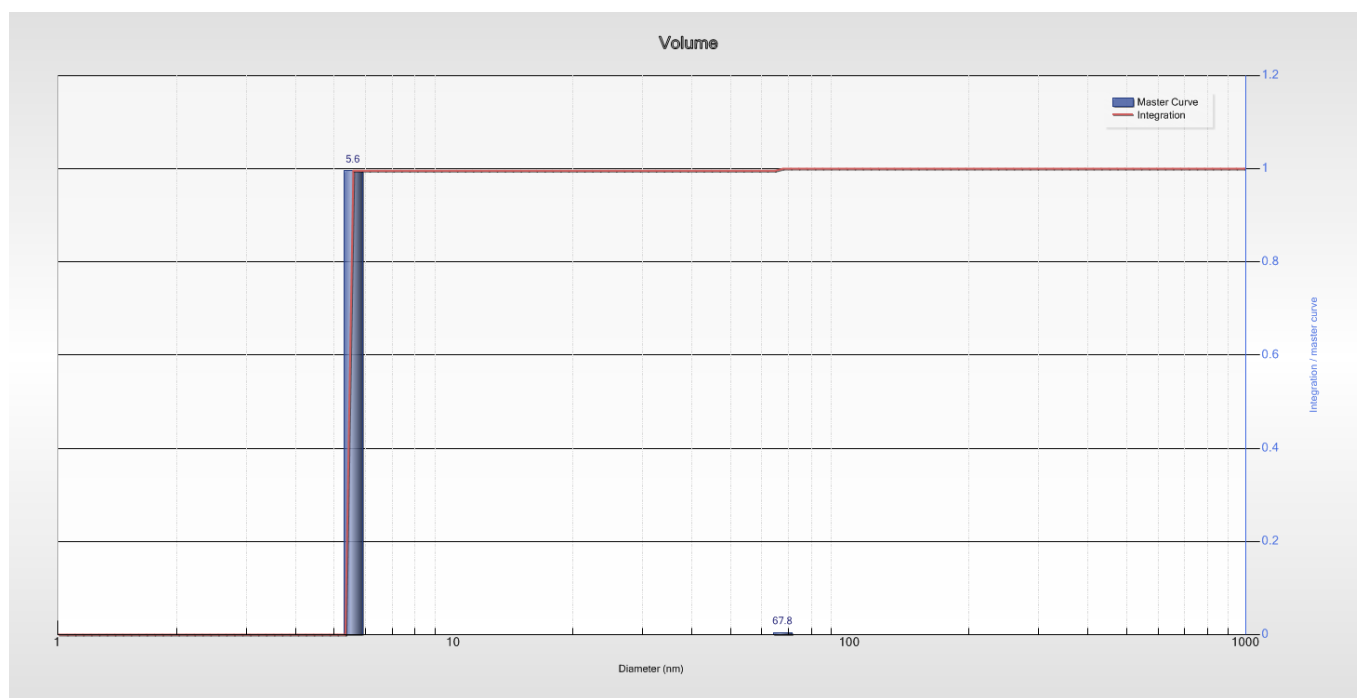
Dn 10%: 5.58 nm
Mean Number: 5.58 nm

Dn 50%: 5.58 nm

Dn 90%: 5.58 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m ² /s) |
|-----------|-----------|------------|--------------------------------------|
| 0.57 | 0.09 | 453613.43 | 85.81631E-011 |
| 5.55 | 0.1 | 46794.05 | 88.52676E-012 |
| 68.65 | 0.75 | 3784.58 | 71.59814E-013 |



Dispersion statistics

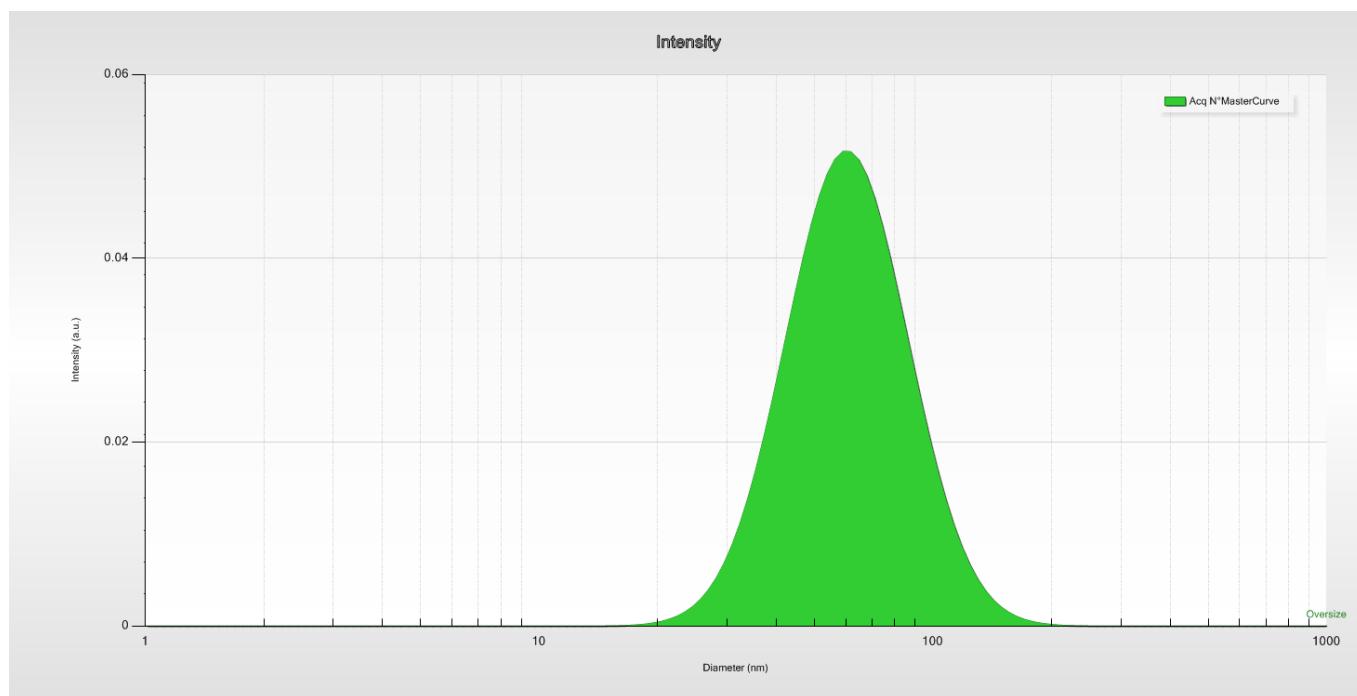
Dv 10%: 5.58 nm
Mean Volume: 5.86 nm

Dv 50%: 5.58 nm

Dv 90%: 5.58 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m ² /s) |
|-----------|-----------|------------|--------------------------------------|
| 0.57 | 0.09 | 453613.43 | 85.81631E-011 |
| 5.55 | 0.1 | 46794.05 | 88.52676E-012 |
| 68.65 | 0.75 | 3784.58 | 71.59814E-013 |

**Distribution statistics**

Di 10%: 38.94 nm
Mean Intensity: 64.28 nm
PDI : 0.54201

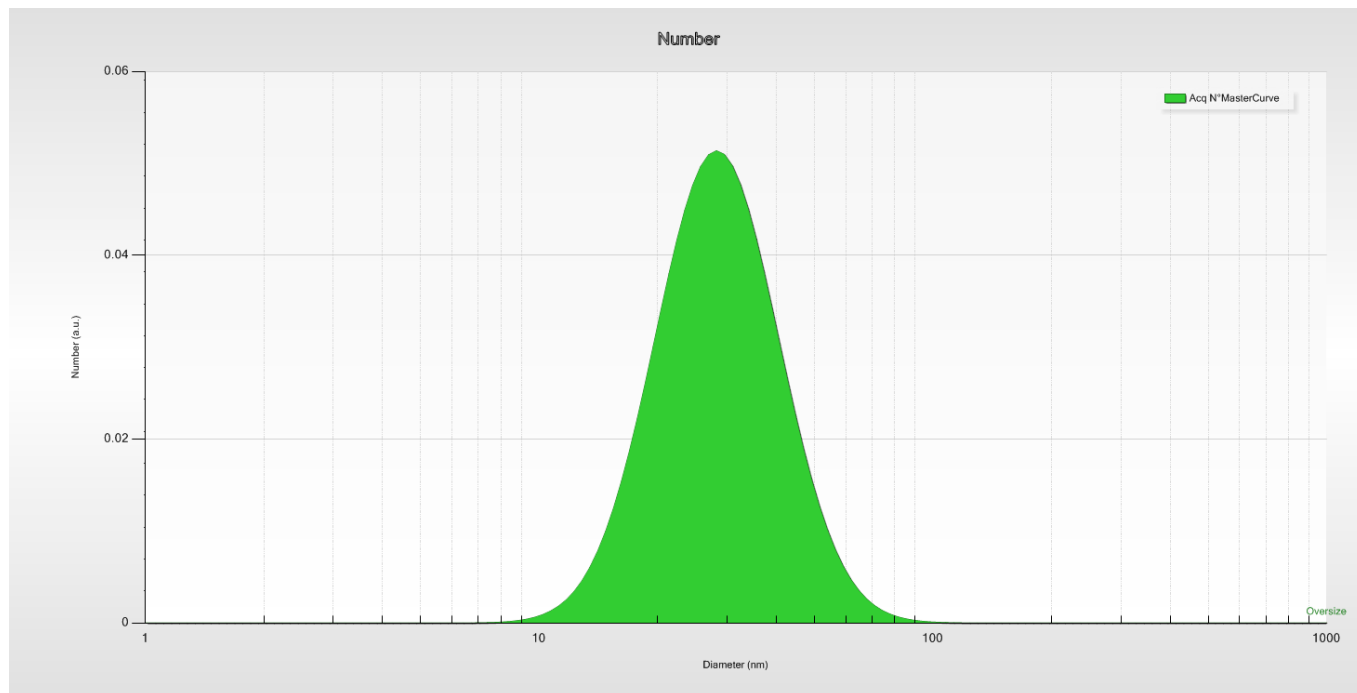
Di 50%: 59.03 nm

Di 90%: 93.73 nm

Std Dev: 36.81%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|-----------------------|------------------|-------------------|---|
| 49.86 | 0.69 | 5211.67 | 98.59636E-013 |

**Distribution statistics**

Dn 10%: 17.74 nm
Mean Number: 30.11 nm
PDI : 0.54201

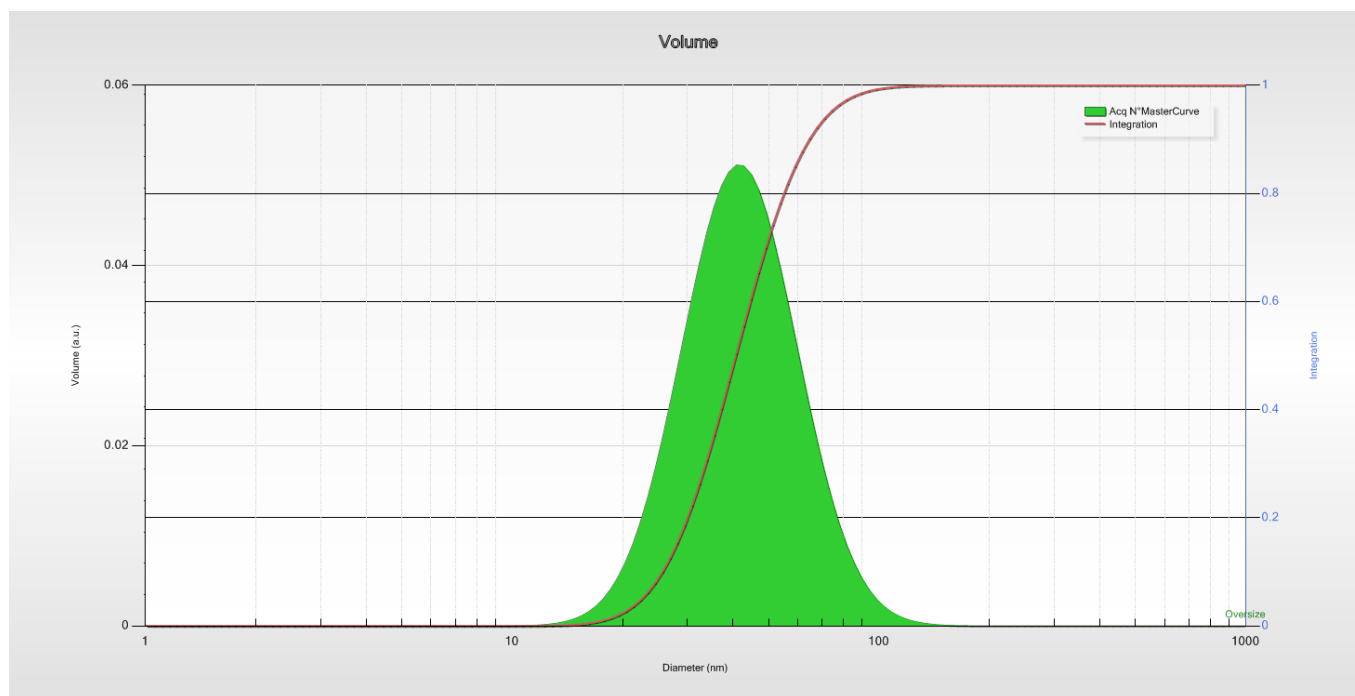
Dn 50%: 28.17 nm

Dn 90%: 44.73 nm

Std Dev: 36.81%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 49.86 | 0.69 | 5211.67 | 98.59636E-013 |

**Distribution statistics**

Dv 10%: 25.68 nm
Mean Volume: 44.4 nm
PDI : 0.54201

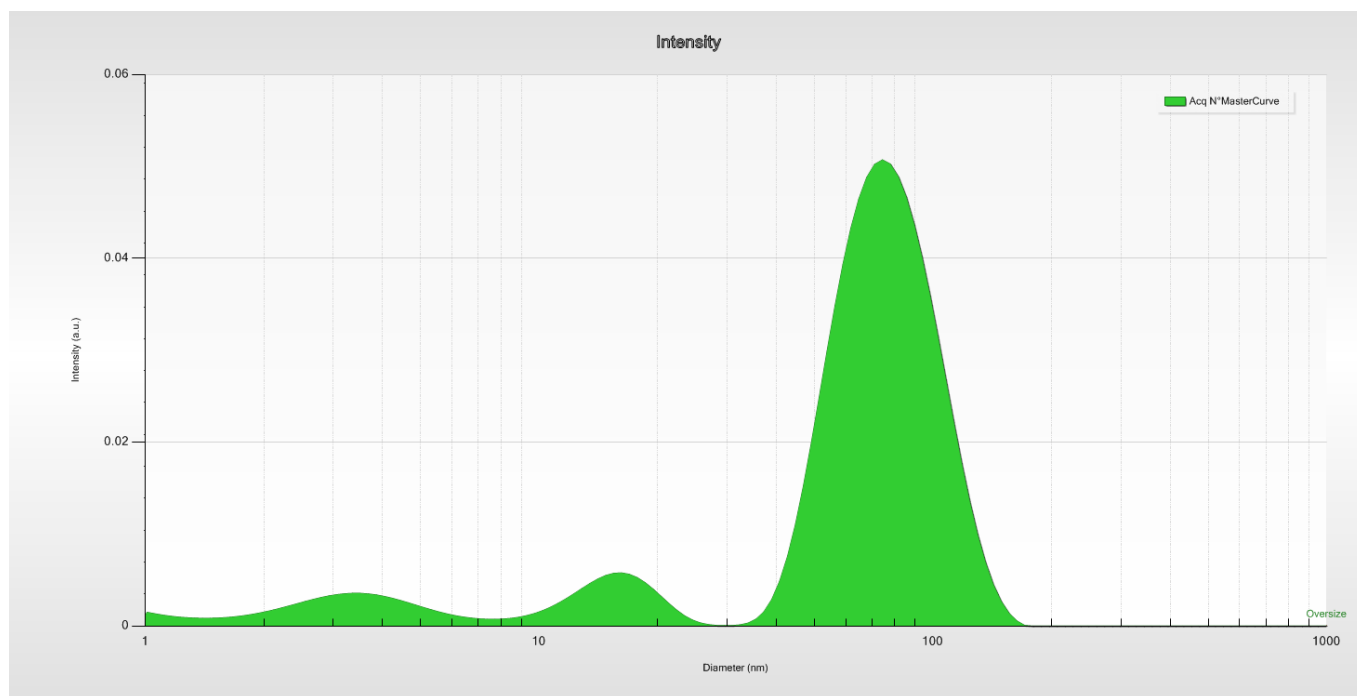
Dv 50%: 40.78 nm

Dv 90%: 64.75 nm

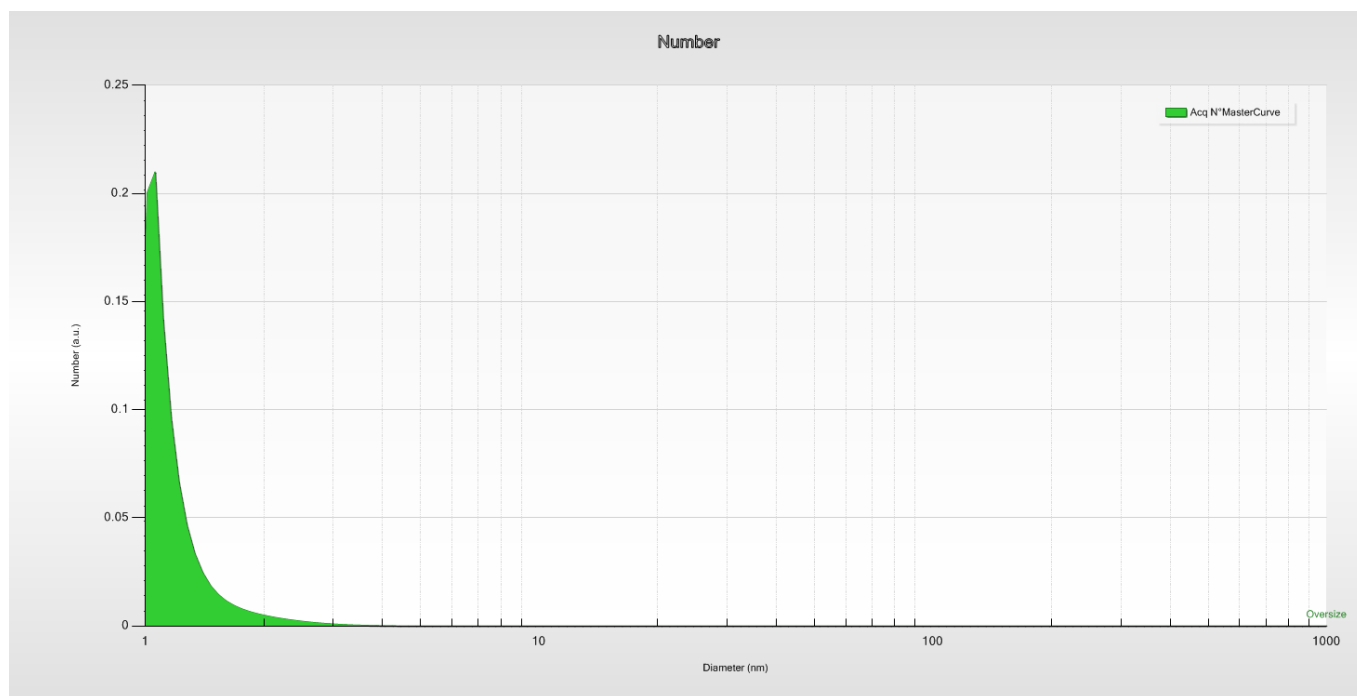
Std Dev: 36.81%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|-----------------------|------------------|-------------------|---|
| 49.86 | 0.69 | 5211.67 | 98.59636E-013 |

**Distribution statistics****Di 10%:** 12.26 nm**Di 50%:** 71.02 nm**Di 90%:** 107.68 nm**Mean Intensity:** 67.09 nm**Solution index:** 4

| | | | | |
|-----------------|-----------------------|-----------------------|----------------------|----------------------------|
| Peak : 1 | Mode: 74.39 nm | Mean: 78.41 nm | Dev.: 28.82 % | Intensity.: 84.32 % |
| Peak : 2 | Mode: 16.17 nm | Mean: 15.44 nm | Dev.: 24.87 % | Intensity.: 7.94 % |
| Peak : 3 | Mode: 3.36 nm | Mean: 3.57 nm | Dev.: 39.11 % | Intensity.: 7.74 % |

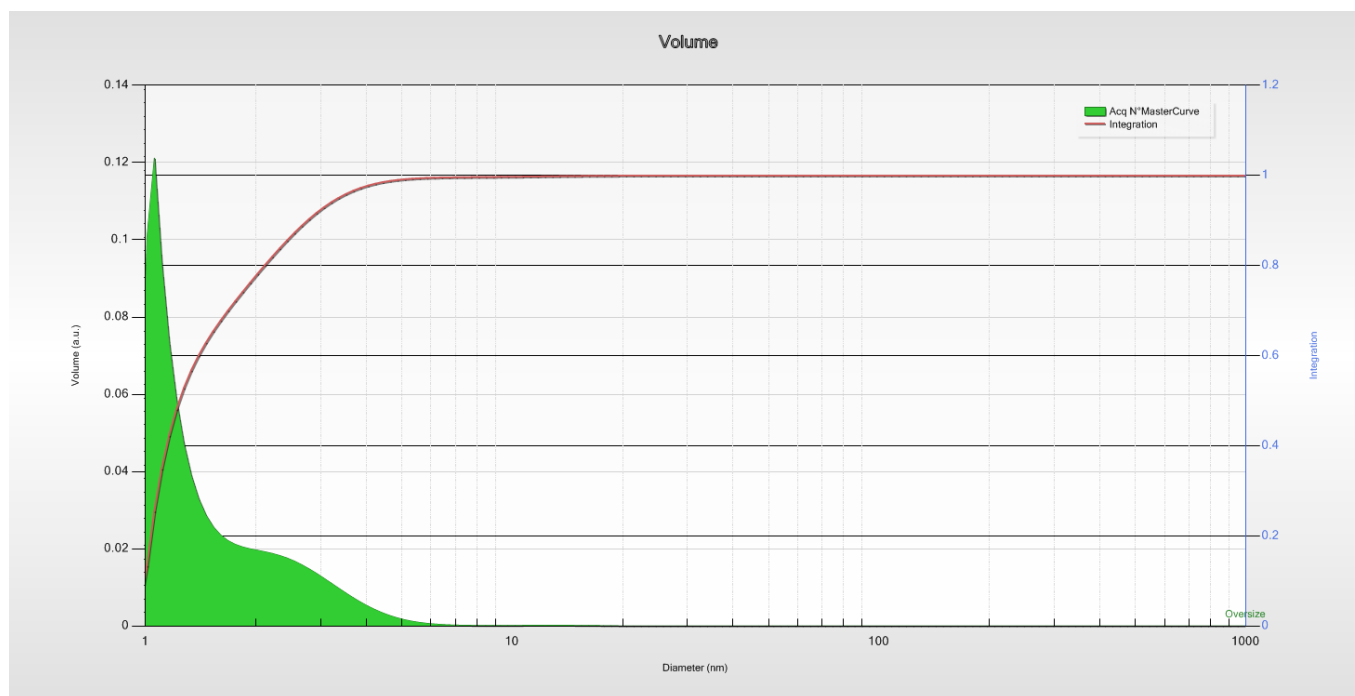
**Distribution statistics**

Dn 10%: 1.01 nm
Mean Number: 1.18 nm
Solution index: 4

Dn 50%: 1.11 nm

Dn 90%: 1.46 nm

Peak : 1 | **Mode:** 1.06 nm **Mean:** 1.18 nm **Dev.:** 25.22 % **Intensity.:** 100 %

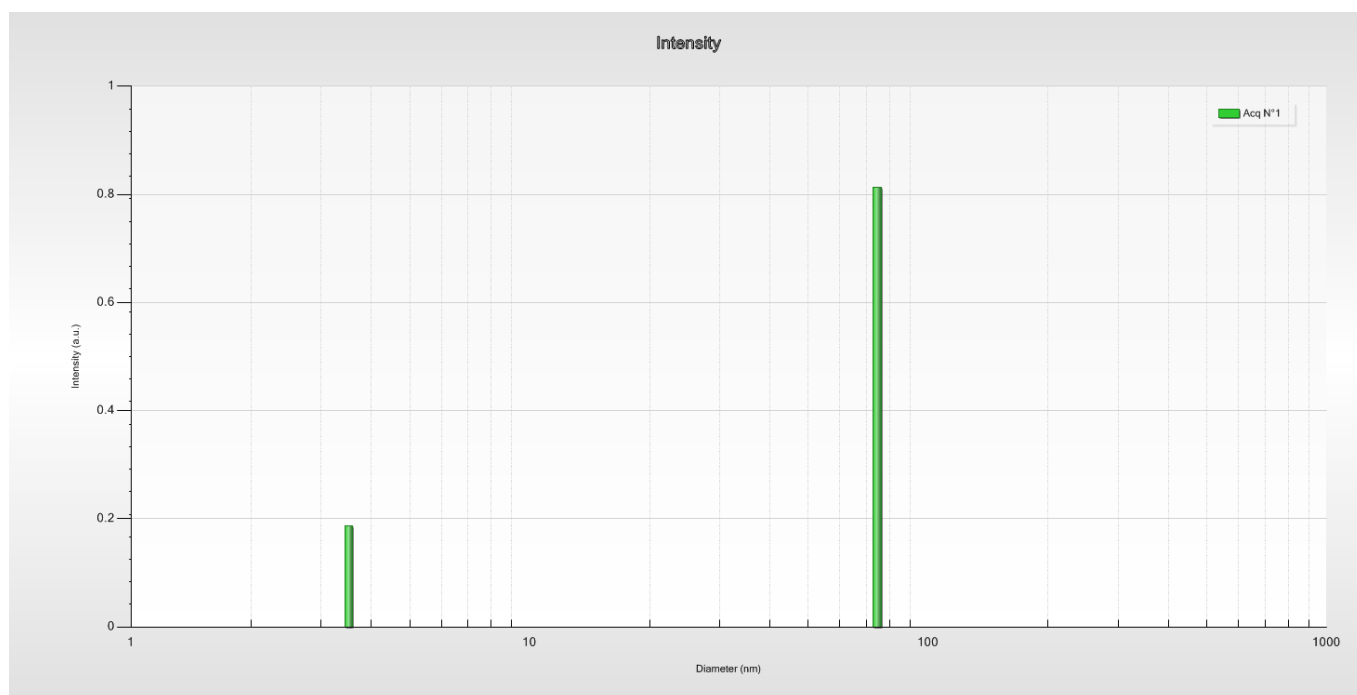
**Distribution statistics**

Dv 10%: 1.01 nm
Mean Volume: 1.69 nm
Solution index: 4

Dv 50%: 1.27 nm

Dv 90%: 2.79 nm

Peak : 1 | **Mode:** 1.06 nm **Mean:** 1.64 nm **Dev.:** 51.75 % **Intensity.:** 100 %



Dispersion statistics

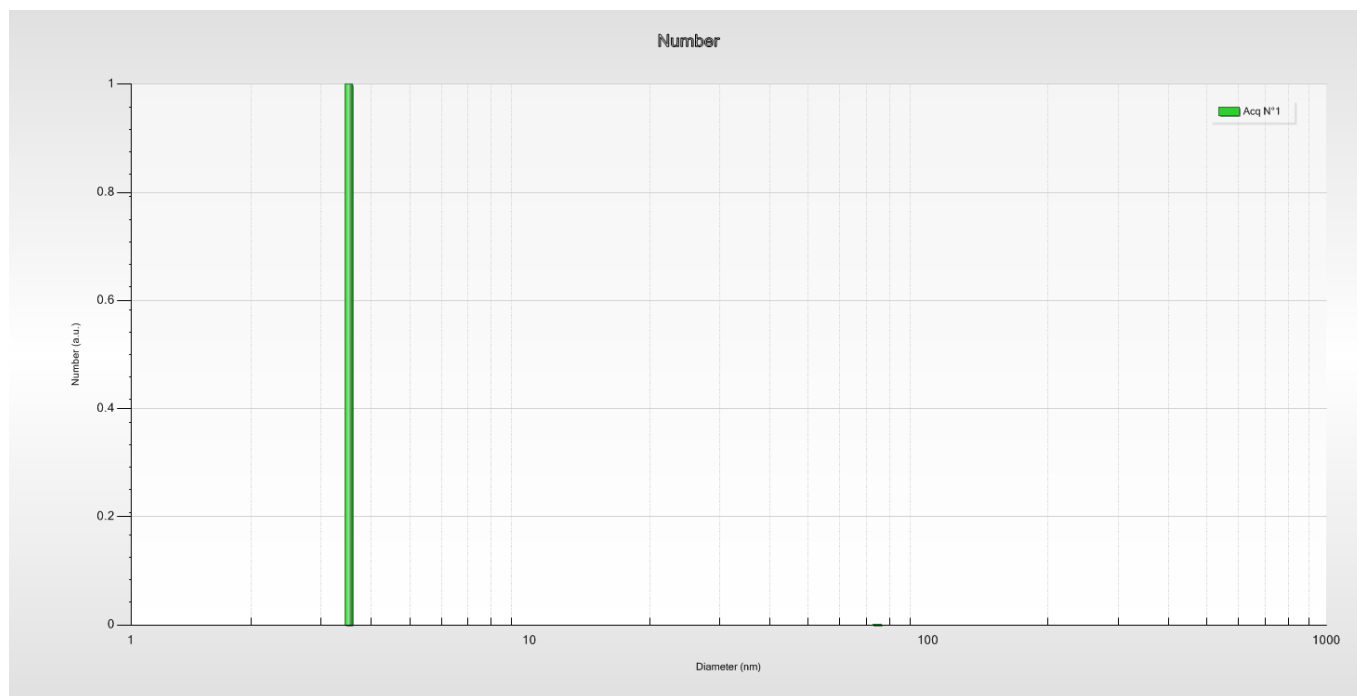
Di 10%: 3.52 nm
Mean Intensity: 61.14 nm

Di 50%: 74.39 nm

Di 90%: 74.39 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|-----------|-----------|------------|-------------------------|
| 3.46 | 0.17 | 75035.42 | 14.19549E-011 |
| 73.21 | 0.74 | 3548.32 | 67.12839E-013 |



Dispersion statistics

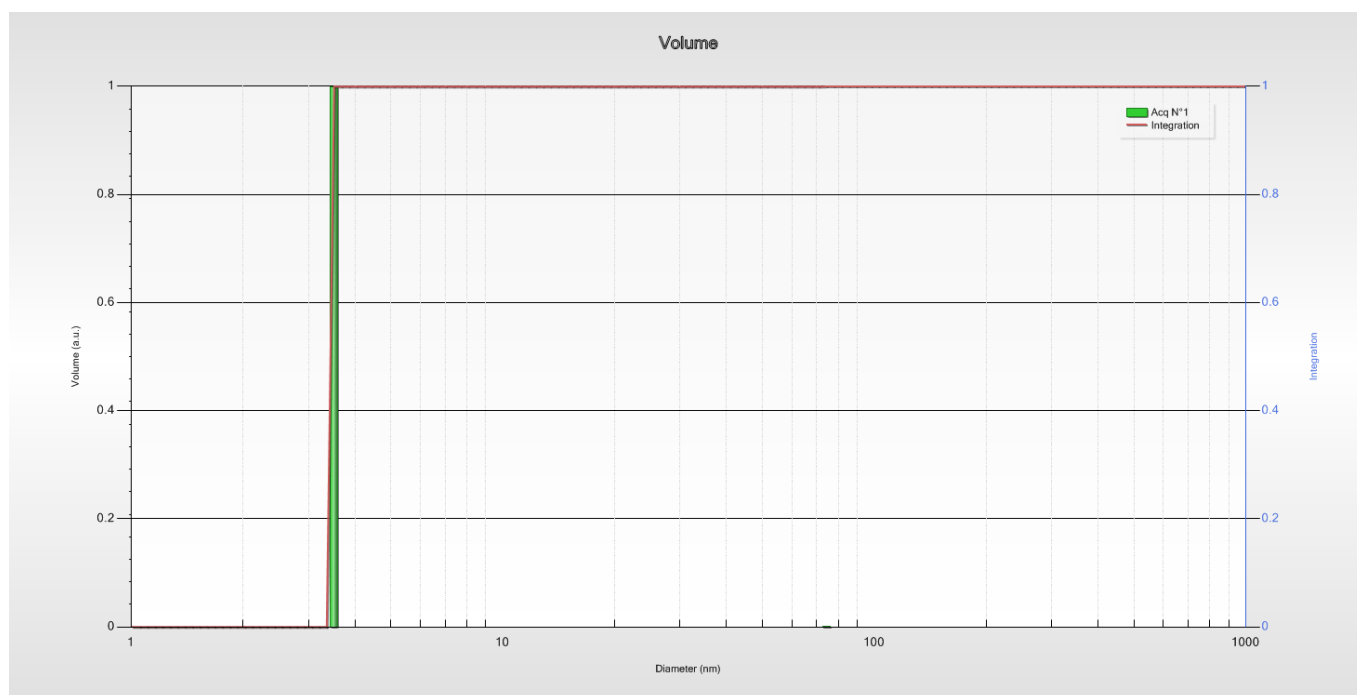
Dn 10%: 3.52 nm
Mean Number: 3.52 nm

Dn 50%: 3.52 nm

Dn 90%: 3.52 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|--------------------------------|
| 3.46 | 0.17 | 75035.42 | 14.19549E-011 |
| 73.21 | 0.74 | 3548.32 | 67.12839E-013 |



Dispersion statistics

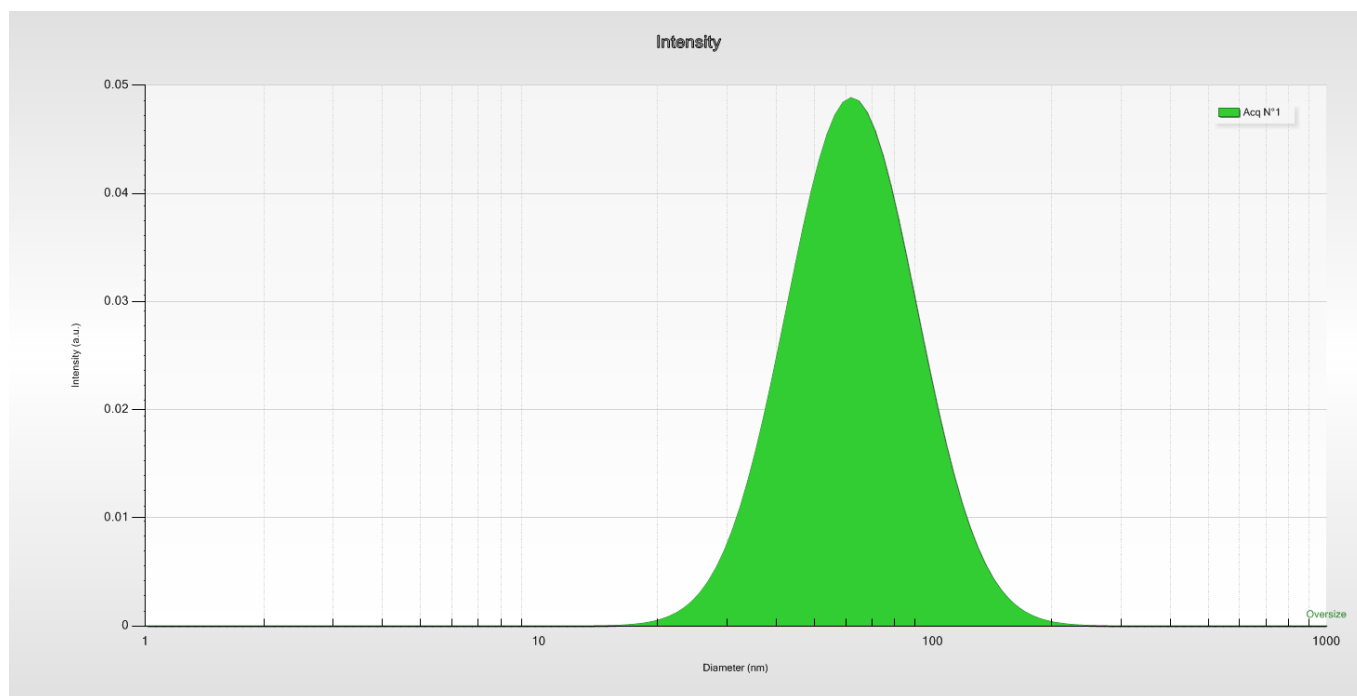
Dv 10%: 3.52 nm
Mean Volume: 3.55 nm

Dv 50%: 3.52 nm

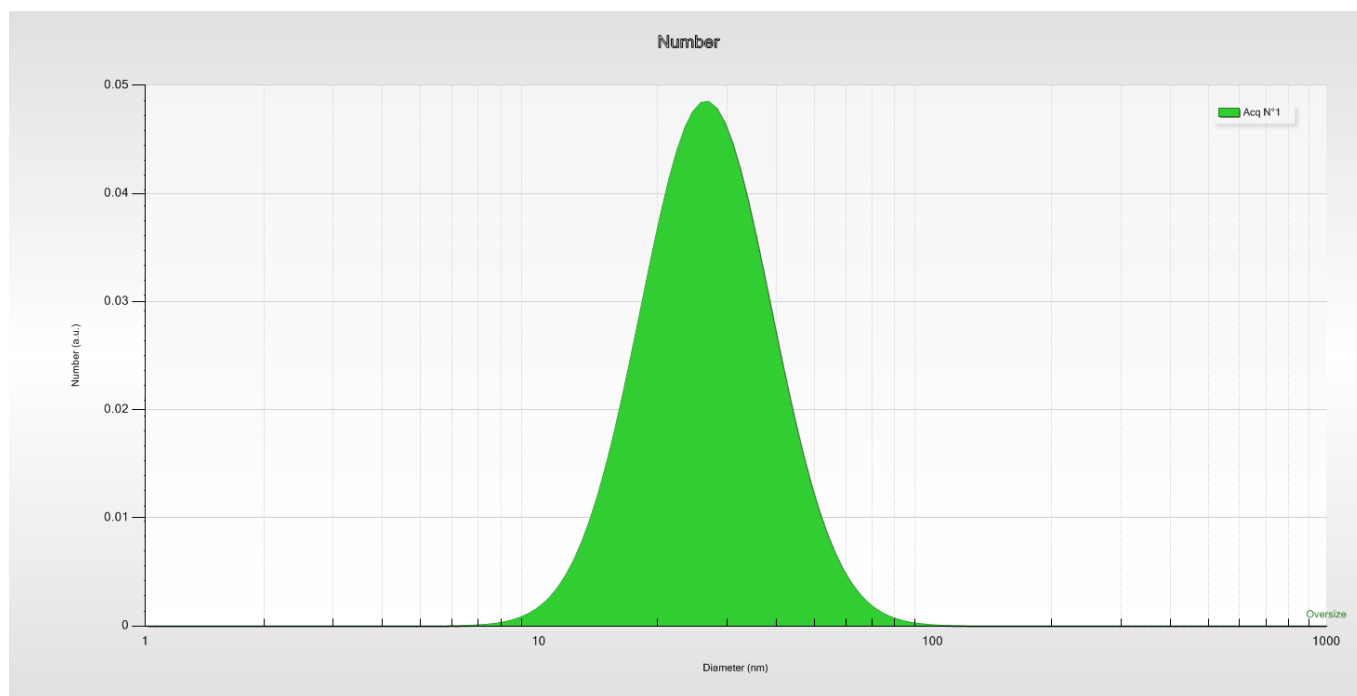
Dv 90%: 3.52 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m ² /s) |
|-----------|-----------|------------|--------------------------------------|
| 3.46 | 0.17 | 75035.42 | 14.19549E-011 |
| 73.21 | 0.74 | 3548.32 | 67.12839E-013 |

**Distribution statistics****Di 10%:** 38.94 nm**Di 50%:** 61.83 nm**Di 90%:** 102.81 nm**Mean Intensity:** 66.67 nm**PDI** : 0.61231**Std Dev:** 39.13%**Detected size(s)**

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 50.14 | 0.68 | 5181.69 | 98.02923E-013 |

**Distribution statistics**

Dn 10%: 16.17 nm
Mean Number: 28.48 nm
PDI : 0.61231

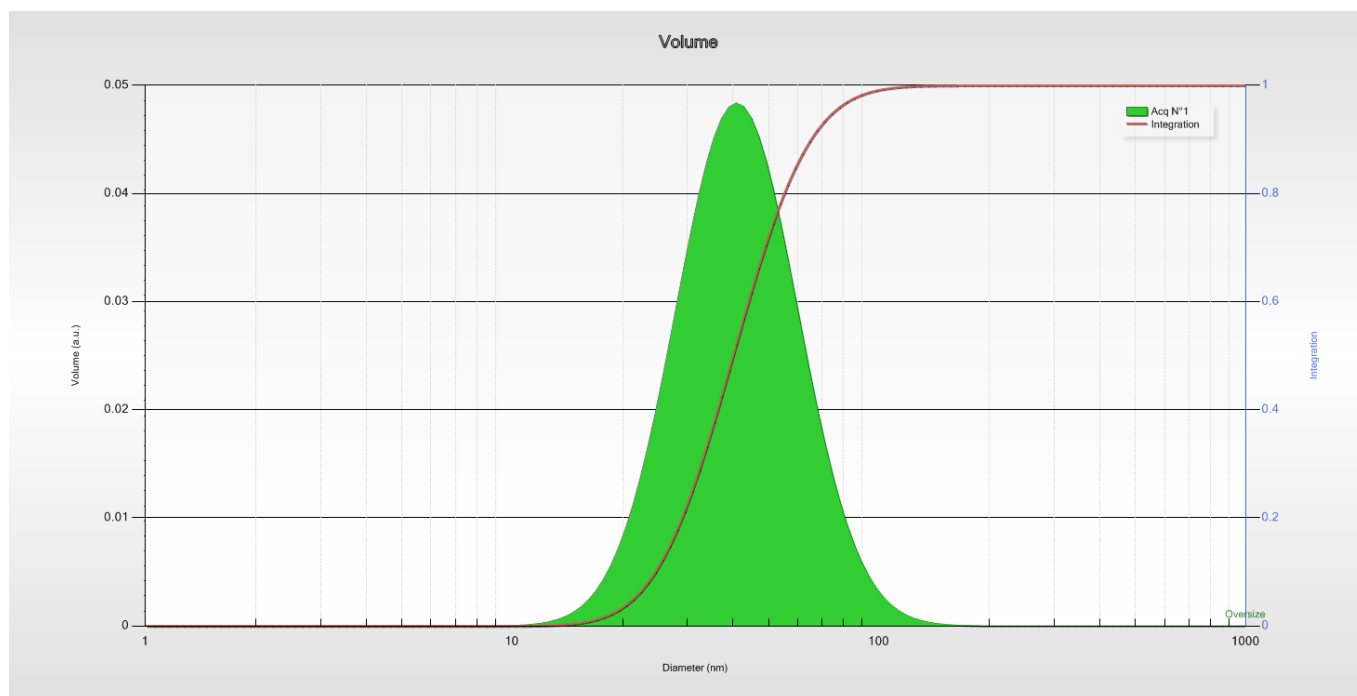
Dn 50%: 26.9 nm

Dn 90%: 42.71 nm

Std Dev: 39.13%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 50.14 | 0.68 | 5181.69 | 98.02923E-013 |



Distribution statistics

Dv 10%: 25.68 nm
Mean Volume: 44.03 nm
PDI : 0.61231

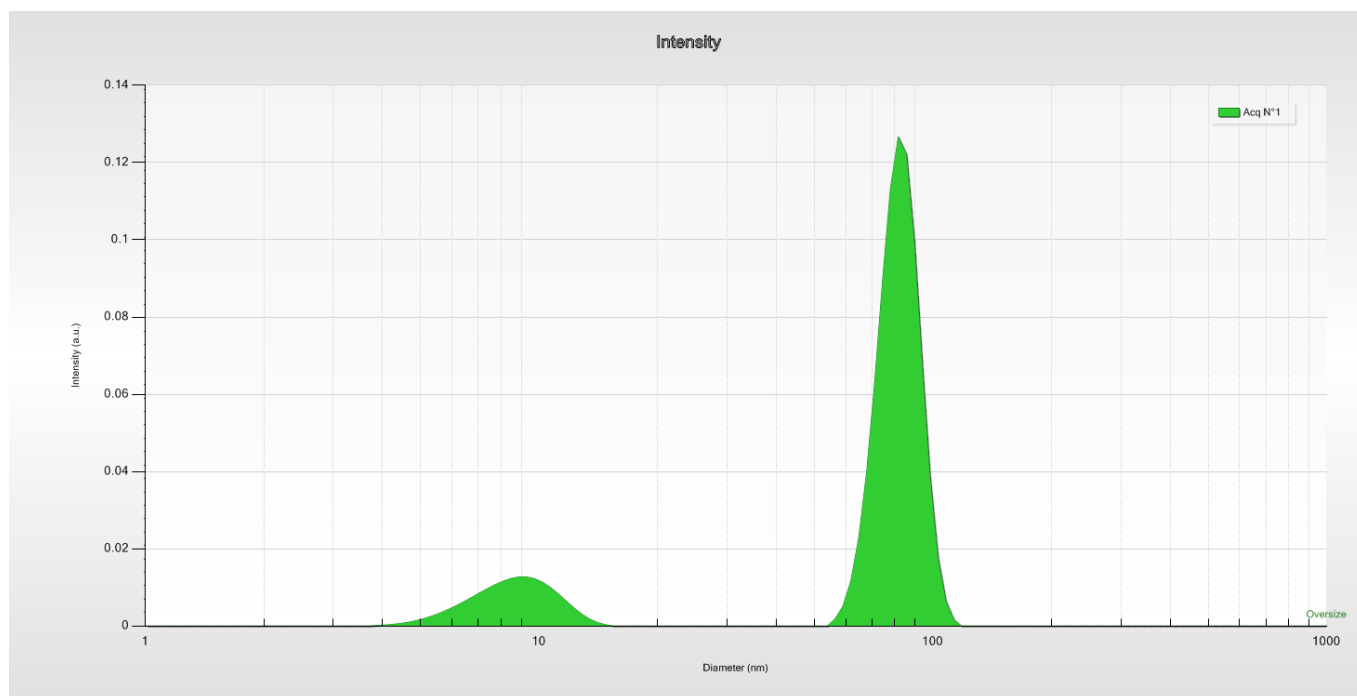
Dv 50%: 40.78 nm

Dv 90%: 67.81 nm

Std Dev: 39.13%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|-----------------------|------------------|-------------------|--------------------------------|
| 50.14 | 0.68 | 5181.69 | 98.02923E-013 |

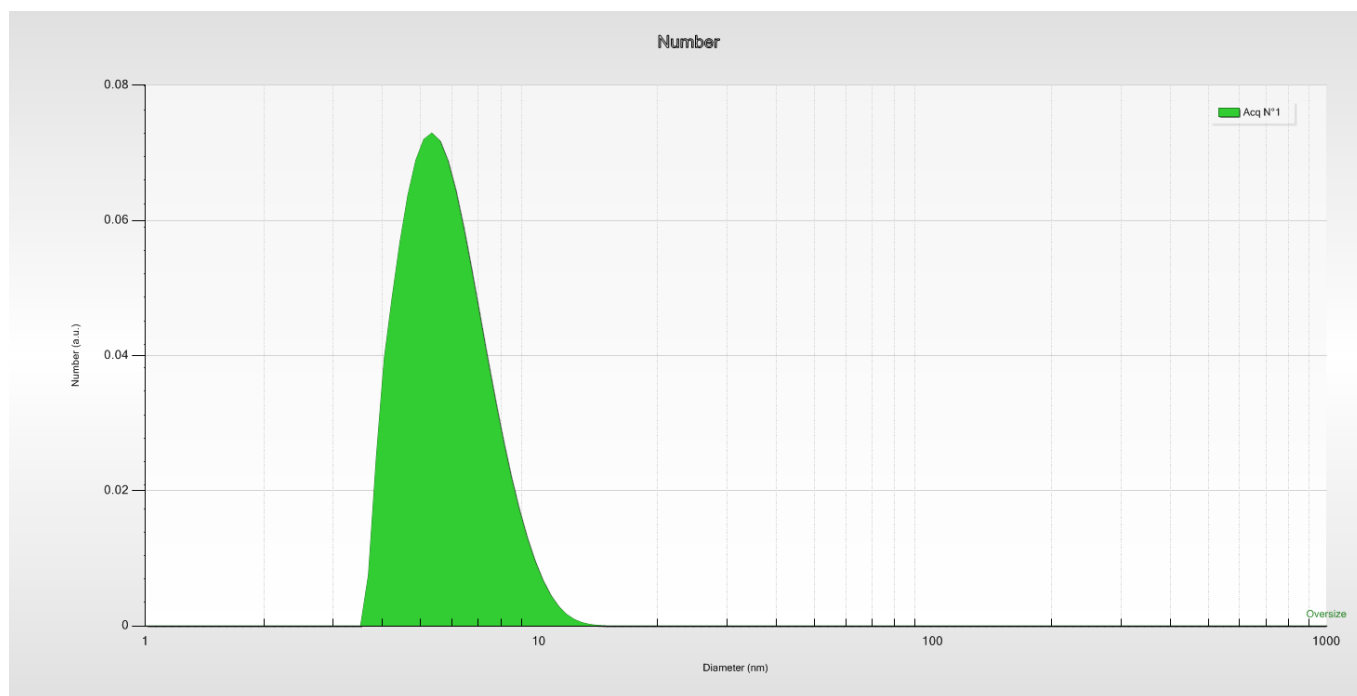
**Distribution statistics**

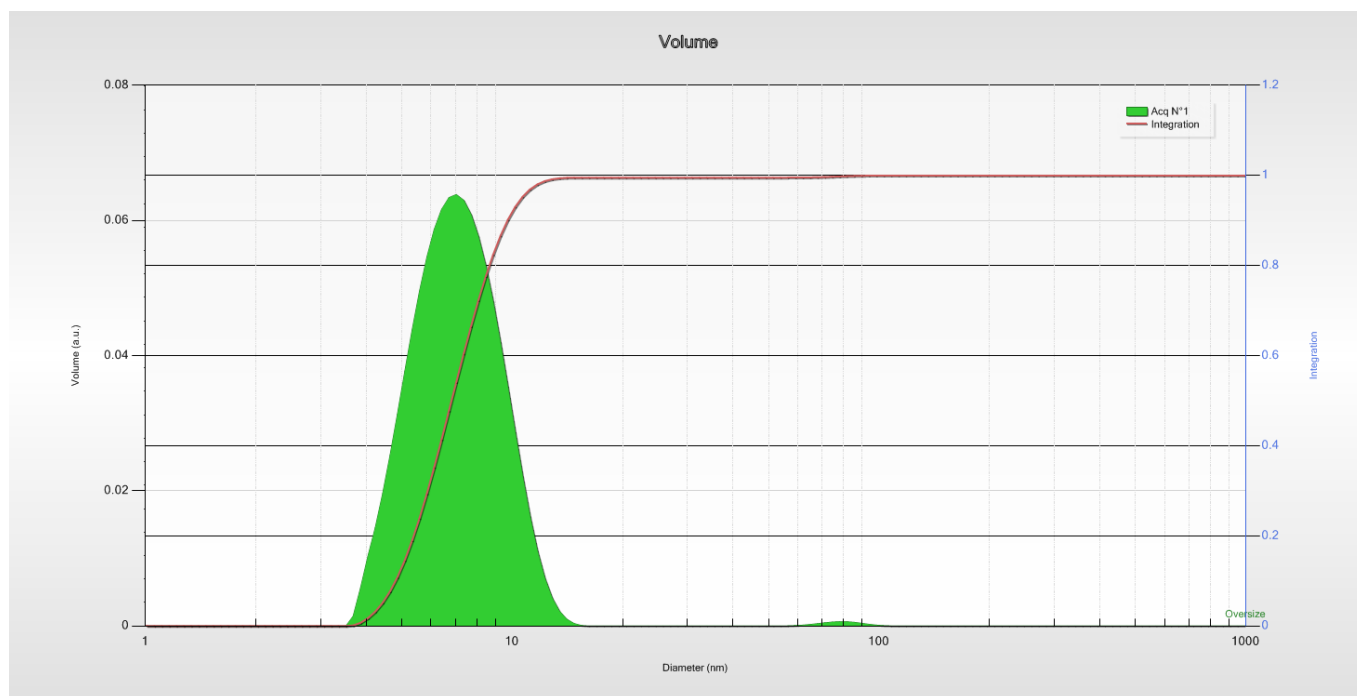
Di 10%: 8.87 nm
Mean Intensity: 69.33 nm
Solution index: 6

Di 50%: 77.91 nm

Di 90%: 93.73 nm

| | | | | |
|-----------------|-----------------------|-----------------------|----------------------|---------------------------|
| Peak : 1 | Mode: 81.59 nm | Mean: 81.99 nm | Dev.: 12.47 % | Intensity.: 82.8 % |
| Peak : 2 | Mode: 8.87 nm | Mean: 8.7 nm | Dev.: 23.82 % | Intensity.: 17.2 % |

**Distribution statistics****Dn 10%:** 4.23 nm**Dn 50%:** 5.58 nm**Dn 90%:** 8.08 nm**Mean Number:** 5.92 nm**Solution index:** 6**Peak : 1** | **Mode:** 5.33 nm **Mean:** 5.92 nm **Dev.:** 25.84 % **Intensity.:** 100 %

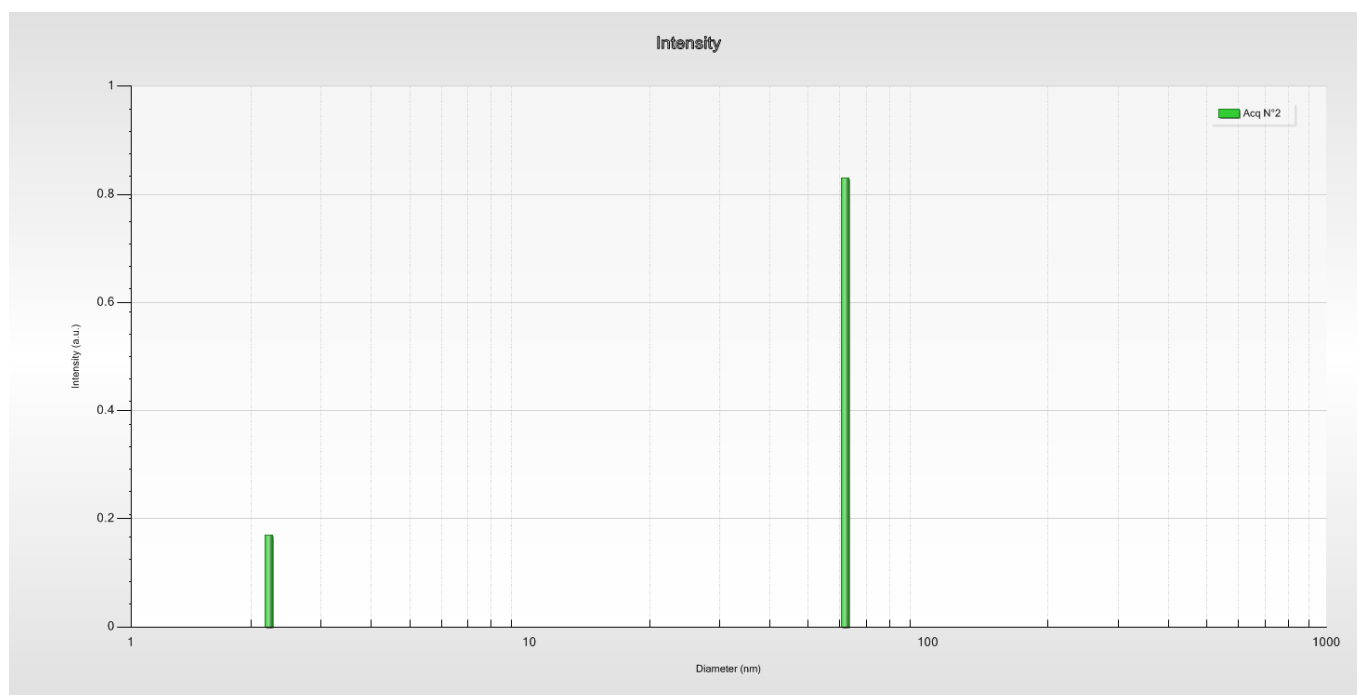
**Distribution statistics**

Dv 10%: 4.86 nm
Mean Volume: 7.55 nm
Solution index: 6

Dv 50%: 7.04 nm

Dv 90%: 9.73 nm

Peak : 1 | **Mode:** 7.04 nm **Mean:** 7.23 nm **Dev.:** 26.8 % **Intensity.:** 100 %



Dispersion statistics

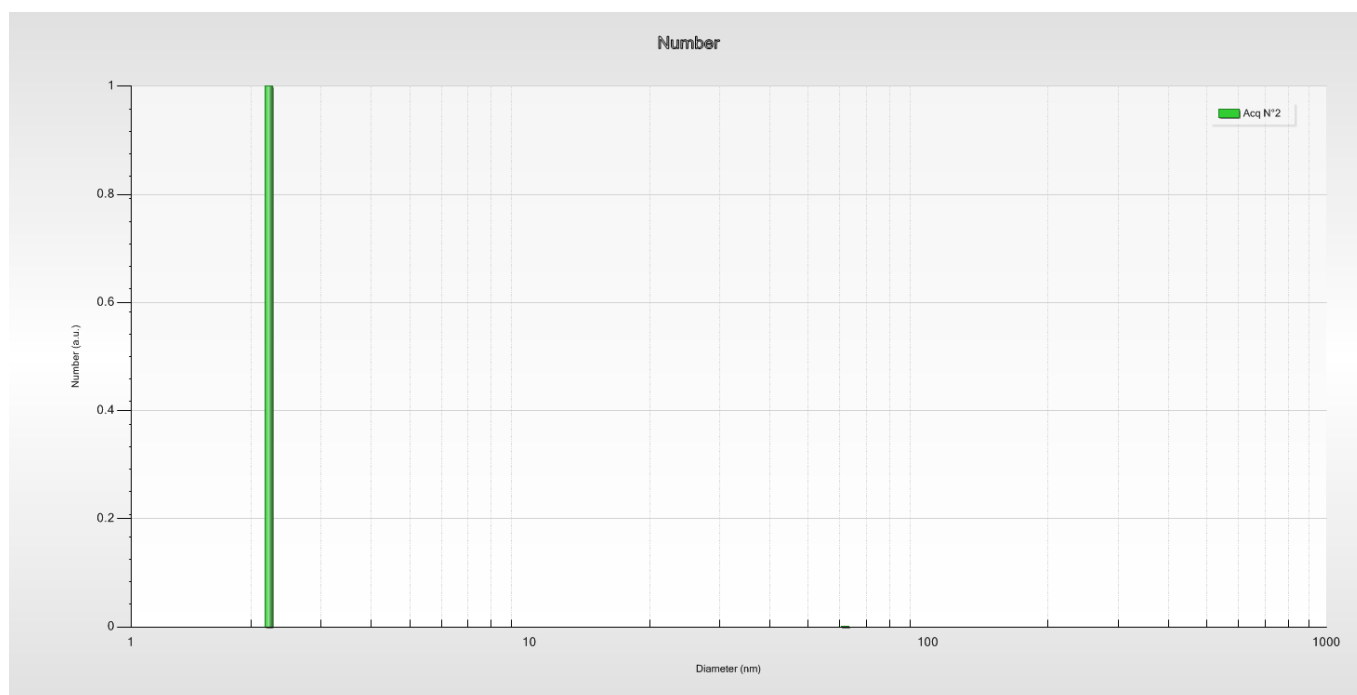
Di 10%: 2.22 nm
Mean Intensity: 51.7 nm

Di 50%: 61.83 nm

Di 90%: 61.83 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|--------------------------------|
| 2.17 | 0.15 | 119875.72 | 22.67855E-011 |
| 61.24 | 0.76 | 4242.4 | 80.25937E-013 |



Dispersion statistics

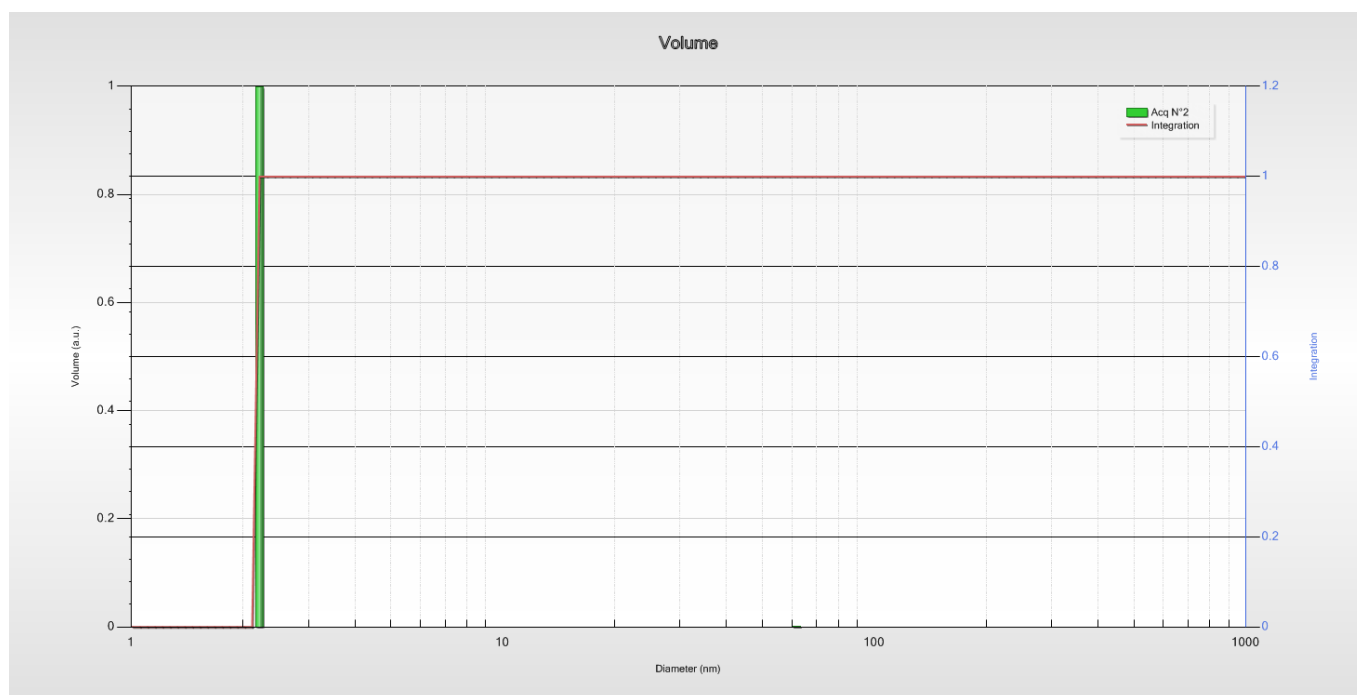
Dn 10%: 2.22 nm
Mean Number: 2.22 nm

Dn 50%: 2.22 nm

Dn 90%: 2.22 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|--------------------------------|
| 2.17 | 0.15 | 119875.72 | 22.67855E-011 |
| 61.24 | 0.76 | 4242.4 | 80.25937E-013 |



Dispersion statistics

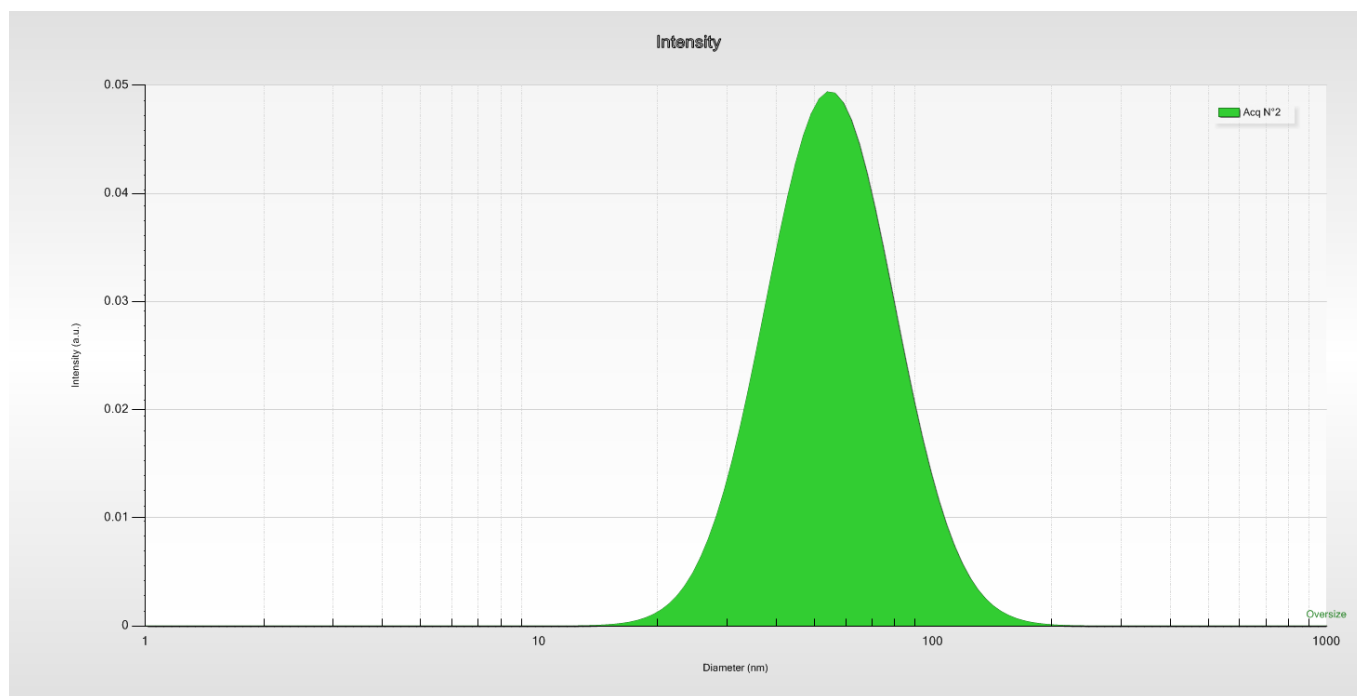
Dv 10%: 2.22 nm
Mean Volume: 2.23 nm

Dv 50%: 2.22 nm

Dv 90%: 2.22 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m ² /s) |
|-----------|-----------|------------|--------------------------------------|
| 2.17 | 0.15 | 119875.72 | 22.67855E-011 |
| 61.24 | 0.76 | 4242.4 | 80.25937E-013 |

**Distribution statistics**

Di 10%: 33.89 nm
Mean Intensity: 58.65 nm
PDI : 0.59719

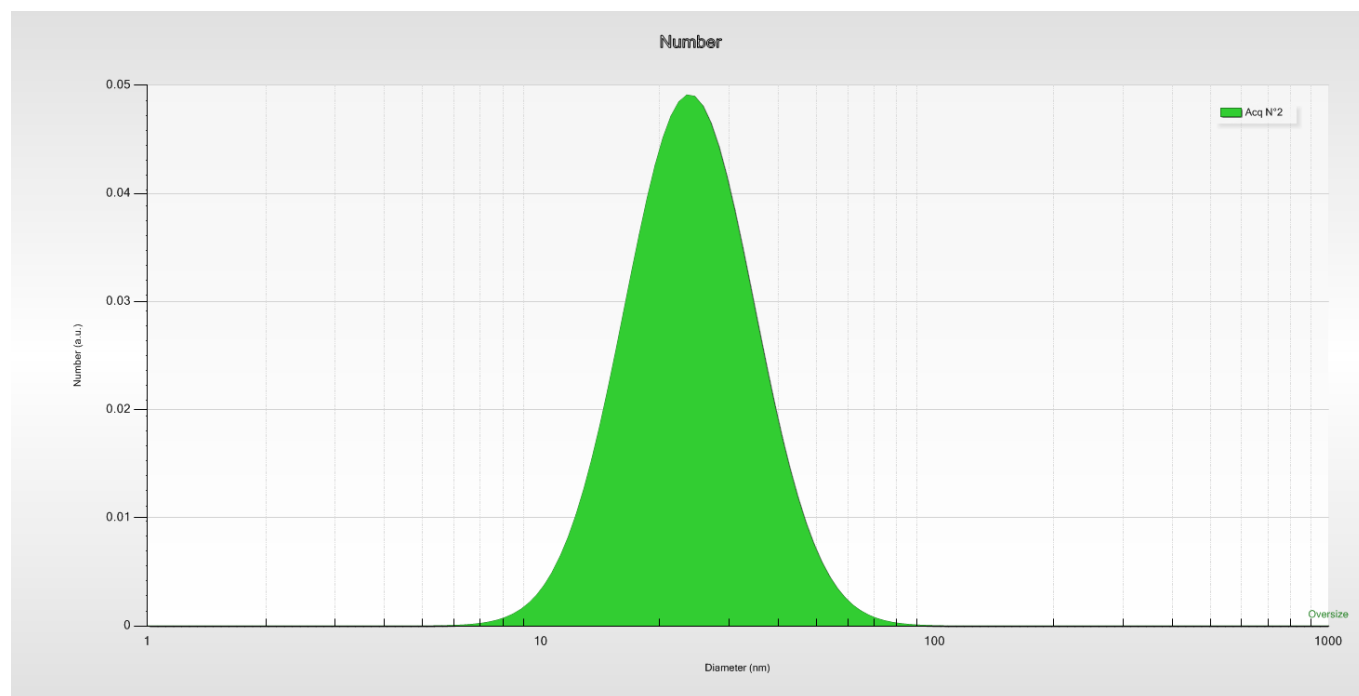
Di 50%: 53.82 nm

Di 90%: 89.5 nm

Std Dev: 38.64%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|-----------------------|------------------|-------------------|---|
| 44.39 | 0.68 | 5851.76 | 11.07059E-012 |

**Distribution statistics**

Dn 10%: 14.75 nm
Mean Number: 25.53 nm
PDI : 0.59719

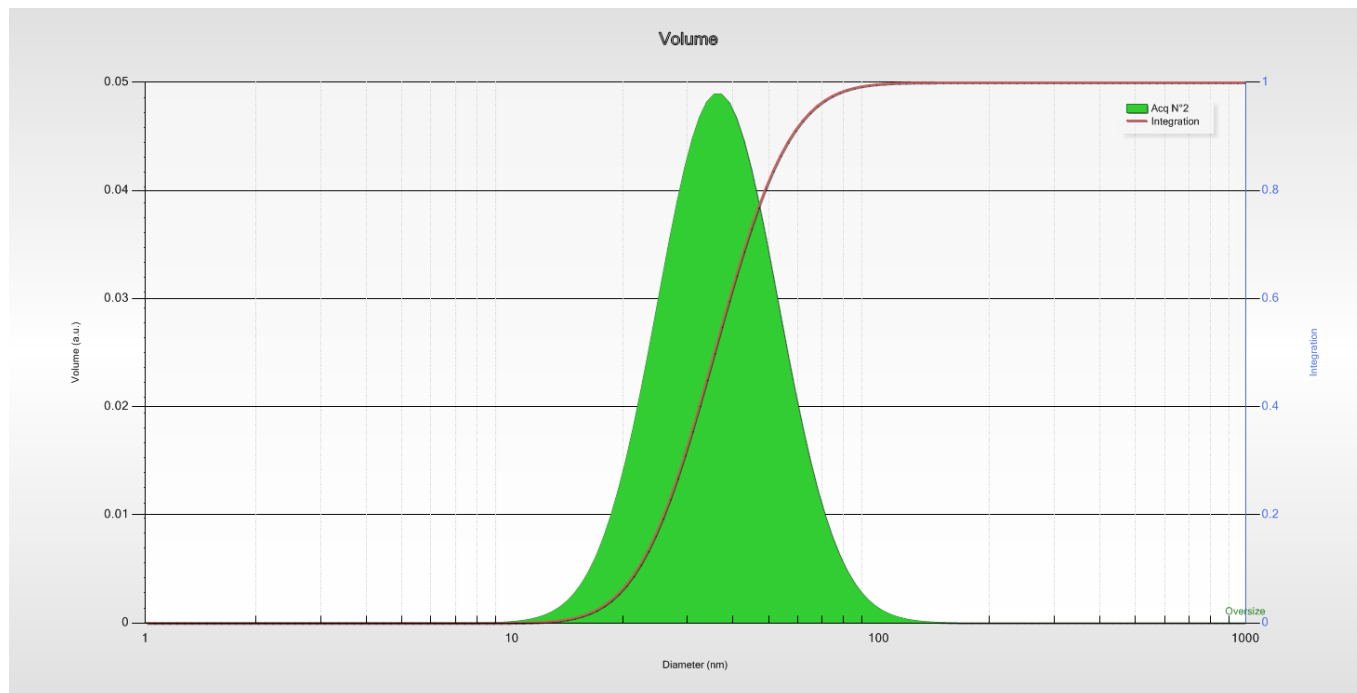
Dn 50%: 23.41 nm

Dn 90%: 38.94 nm

Std Dev: 38.64%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 44.39 | 0.68 | 5851.76 | 11.07059E-012 |

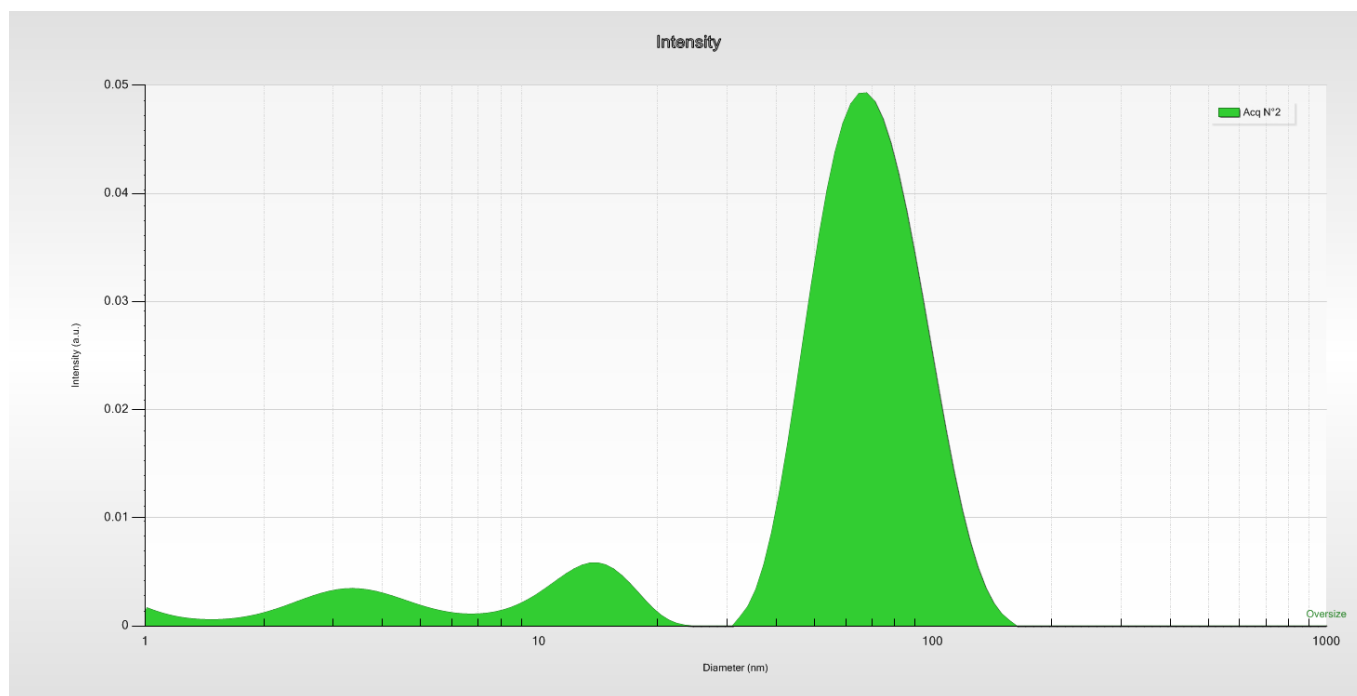


Distribution statistics

| | | |
|------------------------------|-------------------------|-------------------------|
| Dv 10%: 22.36 nm | Dv 50%: 37.18 nm | Dv 90%: 59.03 nm |
| Mean Volume: 39.03 nm | | |
| PDI : 0.59719 | Std Dev: 38.64% | |

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|----------------|-----------|------------|-------------------------|
| 44.39 | 0.68 | 5851.76 | 11.07059E-012 |

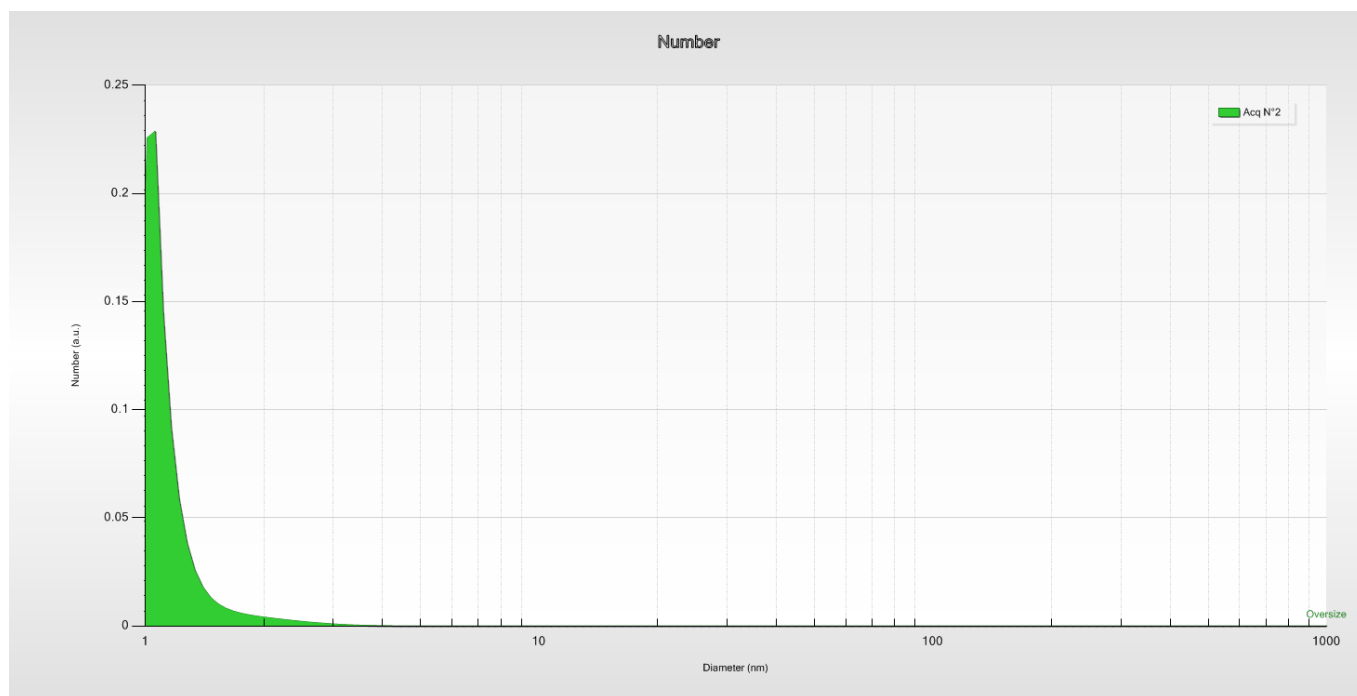
**Distribution statistics**

Di 10%: 11.17 nm
Mean Intensity: 61.43 nm
Solution index: 4

Di 50%: 61.83 nm

Di 90%: 98.17 nm

| | | | | |
|-----------------|-----------------------|-----------------------|----------------------|---------------------------|
| Peak : 1 | Mode: 67.81 nm | Mean: 71.42 nm | Dev.: 29.99 % | Intensity.: 84.8 % |
| Peak : 2 | Mode: 14.08 nm | Mean: 13.14 nm | Dev.: 25.42 % | Intensity.: 8.33 % |
| Peak : 3 | Mode: 3.36 nm | Mean: 3.54 nm | Dev.: 34.84 % | Intensity.: 6.87 % |

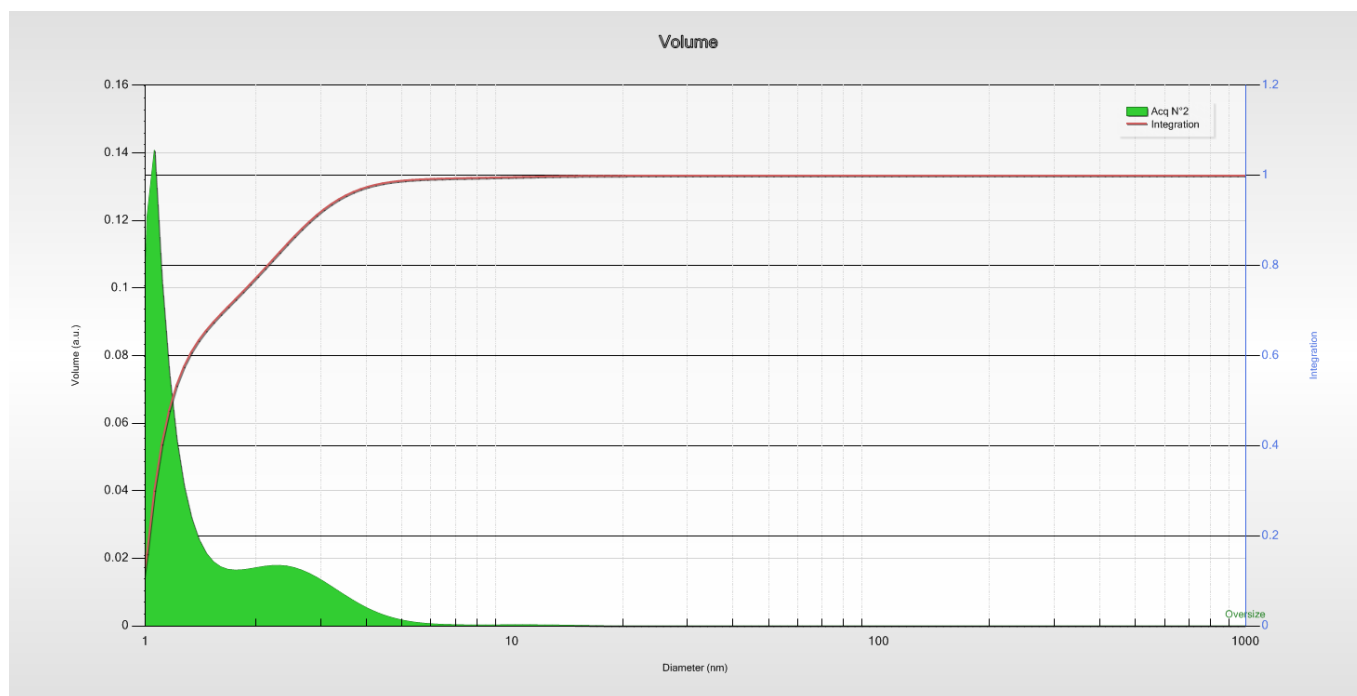
**Distribution statistics**

Dn 10%: 1.01 nm
Mean Number: 1.15 nm
Solution index: 4

Dn 50%: 1.06 nm

Dn 90%: 1.33 nm

Peak : 1 | **Mode:** 1.06 nm **Mean:** 1.15 nm **Dev.:** 24.75 % **Intensity.:** 100 %

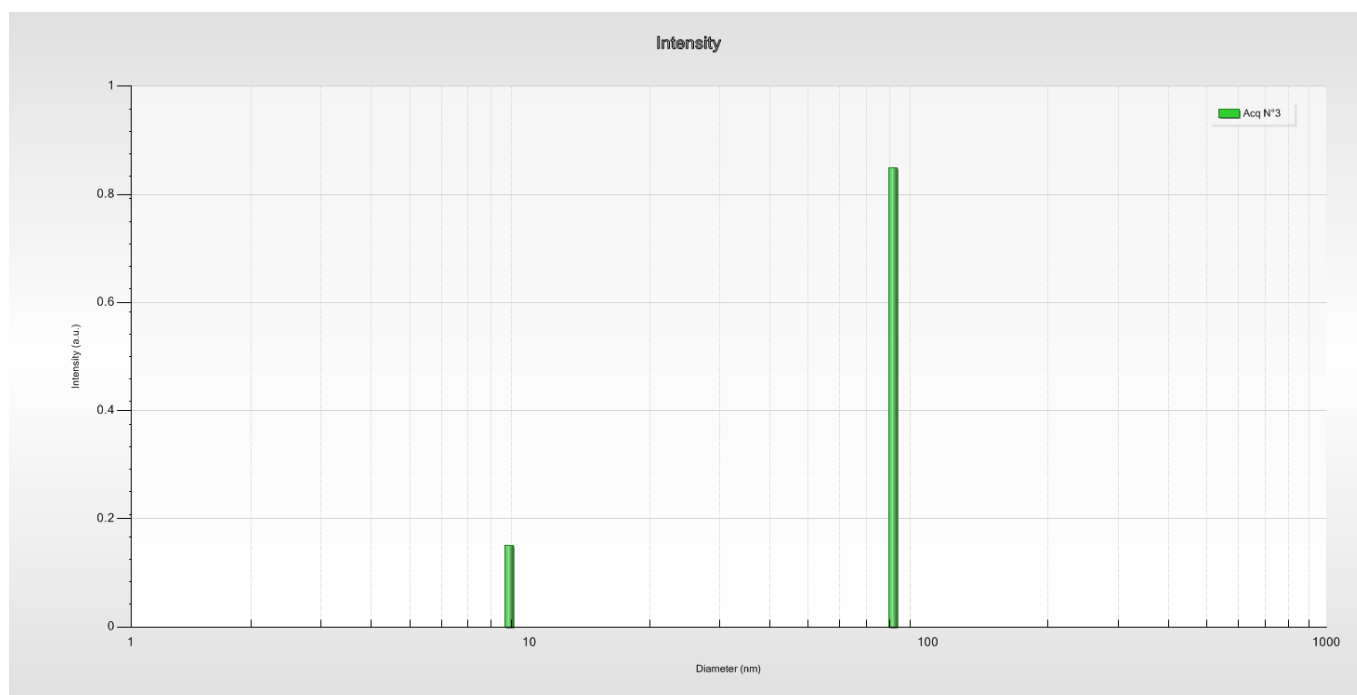
**Distribution statistics**

Dv 10%: 1.01 nm
Mean Volume: 1.69 nm
Solution index: 4

Dv 50%: 1.21 nm

Dv 90%: 2.92 nm

| | | | | |
|-----------------|----------------------|----------------------|----------------------|----------------------------|
| Peak : 1 | Mode: 1.06 nm | Mean: 1.18 nm | Dev.: 16.75 % | Intensity.: 71.73 % |
| Peak : 2 | Mode: 2.32 nm | Mean: 2.73 nm | Dev.: 32.67 % | Intensity.: 28.27 % |



Dispersion statistics

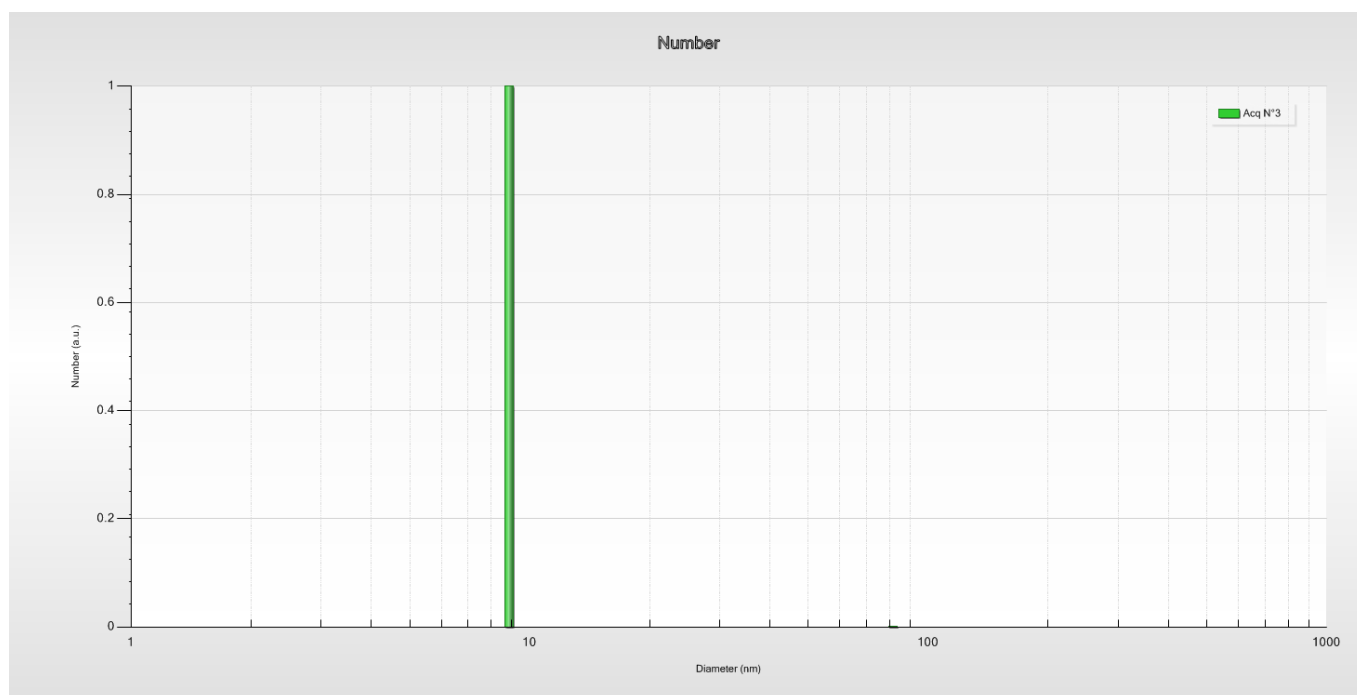
Di 10%: 8.87 nm
Mean Intensity: 70.63 nm

Di 50%: 81.59 nm

Di 90%: 81.59 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|--------------------------------|
| 0.62 | 0.1 | 417712.17 | 79.02438E-011 |
| 8.85 | 0.13 | 29362.12 | 55.54837E-012 |
| 80.86 | 0.72 | 3212.59 | 60.77709E-013 |



Dispersion statistics

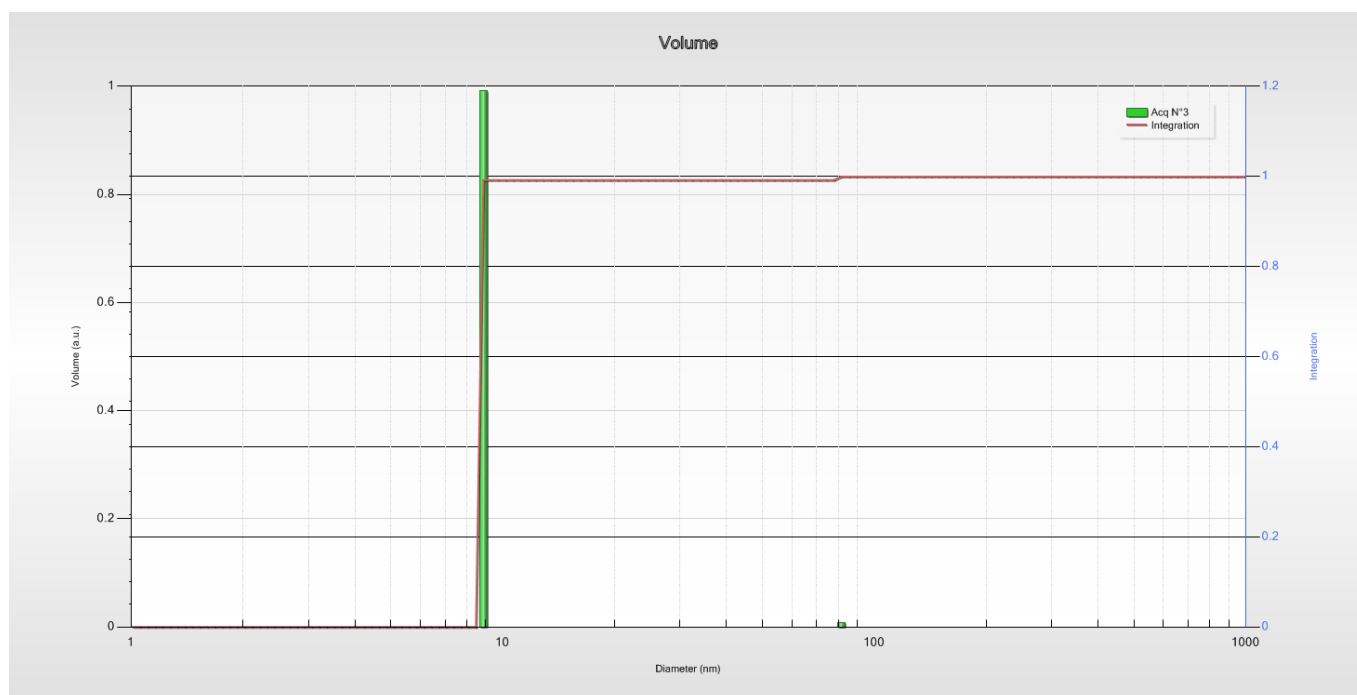
Dn 10%: 8.87 nm
Mean Number: 8.87 nm

Dn 50%: 8.87 nm

Dn 90%: 8.87 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|--------------------------------|
| 0.62 | 0.1 | 417712.17 | 79.02438E-011 |
| 8.85 | 0.13 | 29362.12 | 55.54837E-012 |
| 80.86 | 0.72 | 3212.59 | 60.77709E-013 |



Dispersion statistics

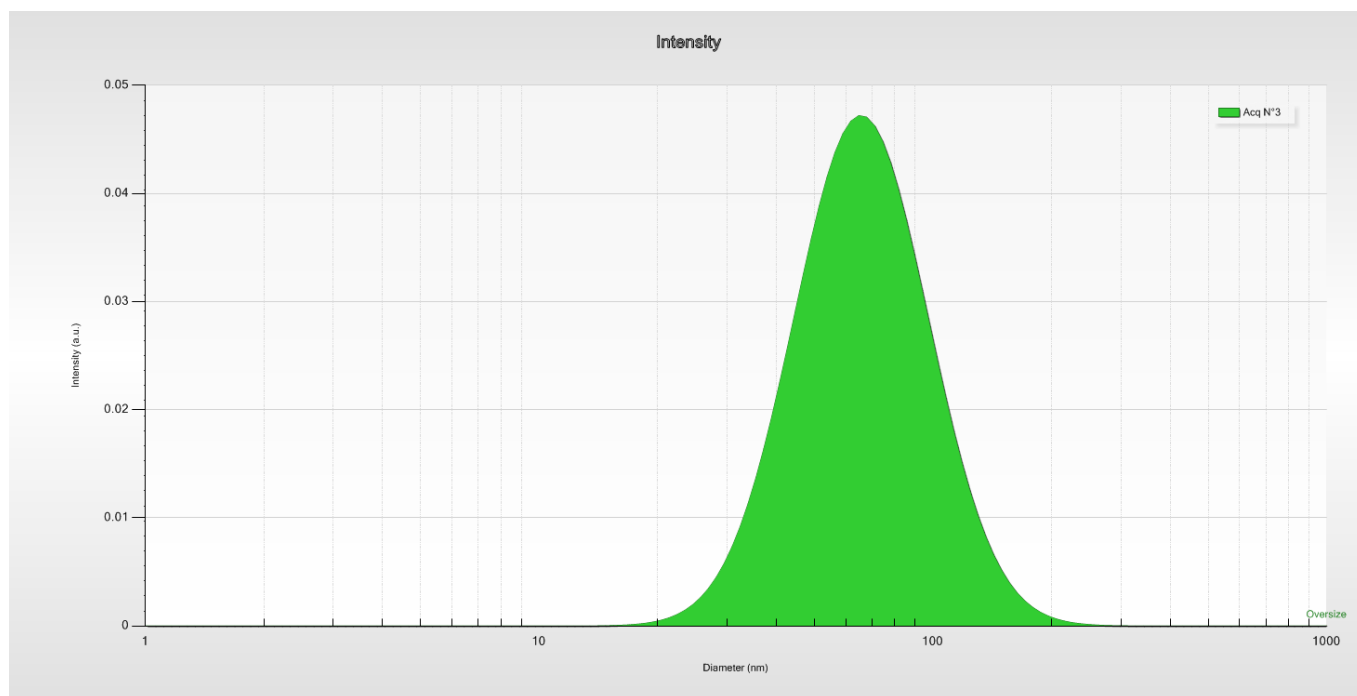
Dv 10%: 8.87 nm
Mean Volume: 9.43 nm

Dv 50%: 8.87 nm

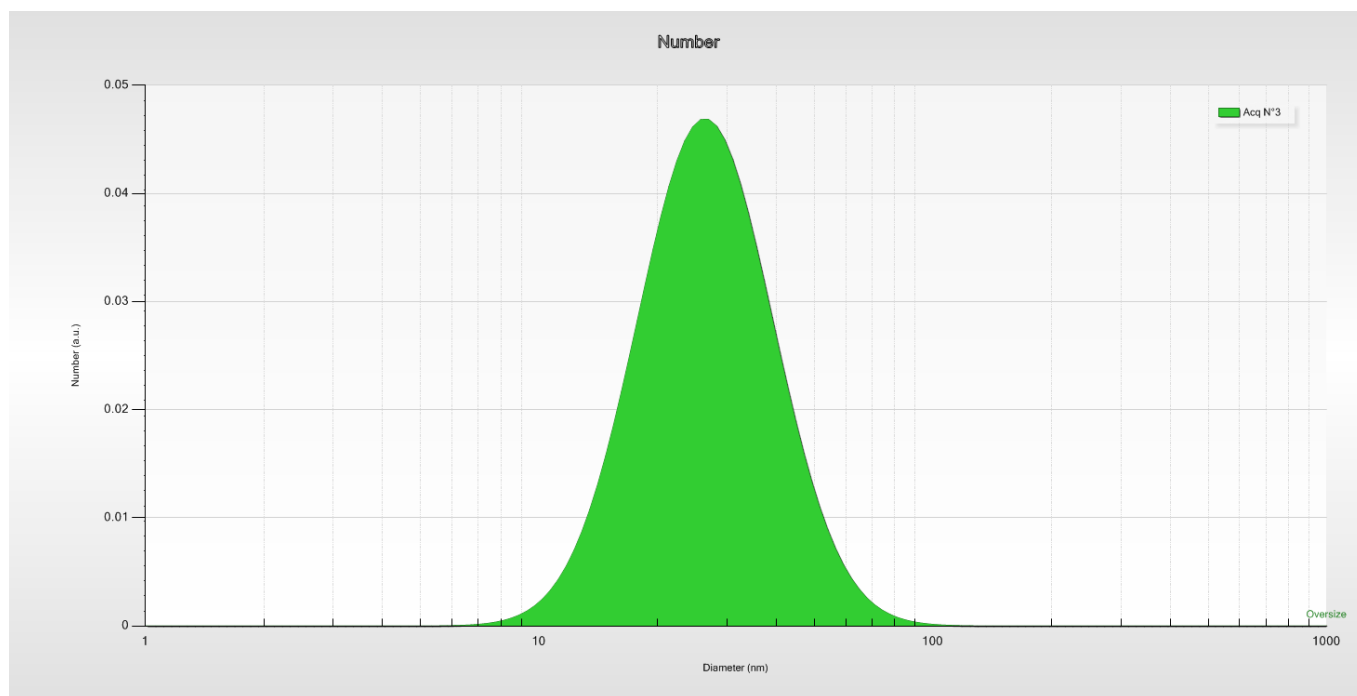
Dv 90%: 8.87 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m ² /s) |
|-----------|-----------|------------|--------------------------------------|
| 0.62 | 0.1 | 417712.17 | 79.02438E-011 |
| 8.85 | 0.13 | 29362.12 | 55.54837E-012 |
| 80.86 | 0.72 | 3212.59 | 60.77709E-013 |

**Distribution statistics****Di 10%:** 38.94 nm**Di 50%:** 64.75 nm**Di 90%:** 107.68 nm**Mean Intensity:** 70.8 nm**PDI** : 0.65885**Std Dev:** 40.58%**Detected size(s)**

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 52.18 | 0.71 | 4978.46 | 94.18435E-013 |

**Distribution statistics**

Dn 10%: 16.17 nm
Mean Number: 28.49 nm
PDI : 0.65885

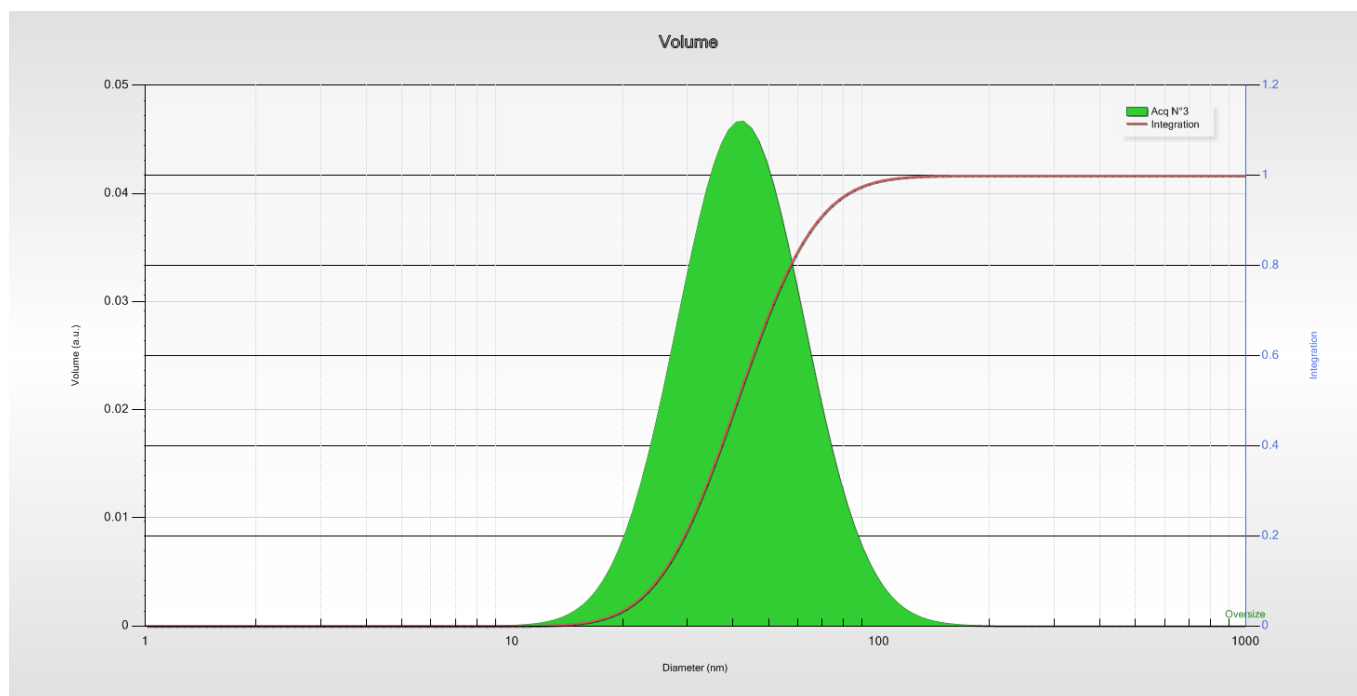
Dn 50%: 26.9 nm

Dn 90%: 42.71 nm

Std Dev: 40.58%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 52.18 | 0.71 | 4978.46 | 94.18435E-013 |

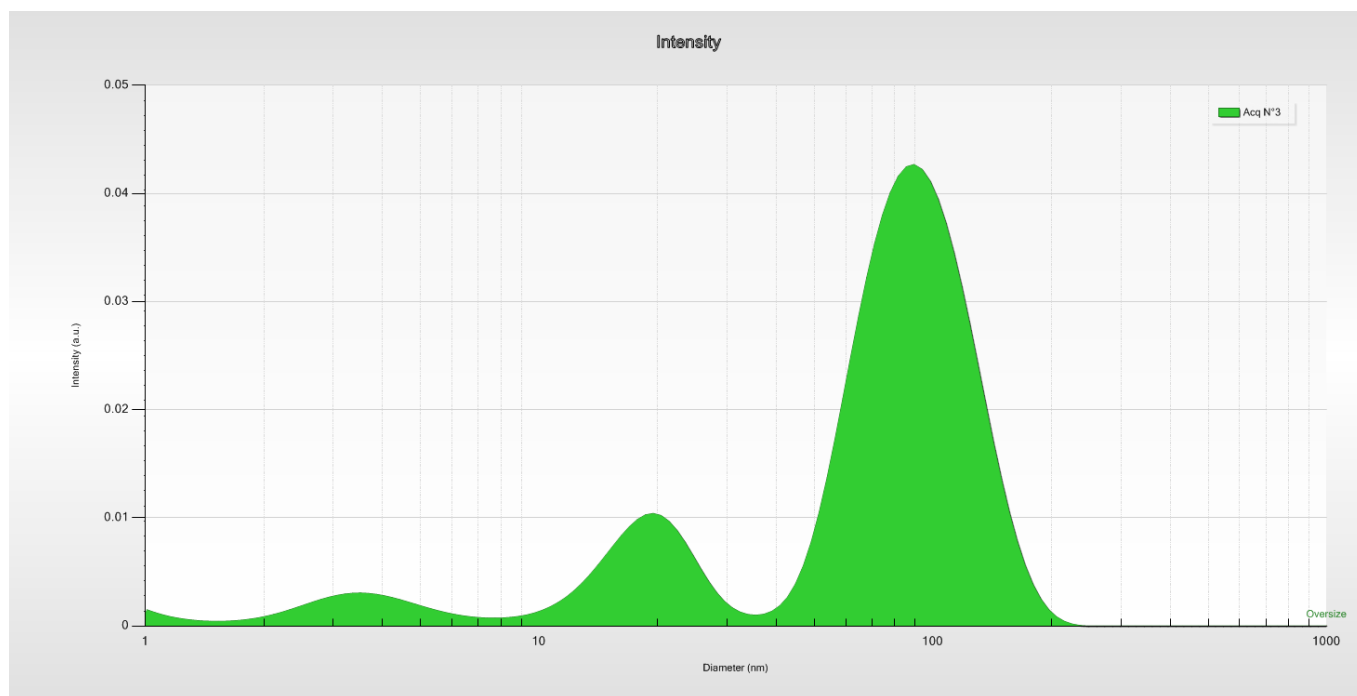


Distribution statistics

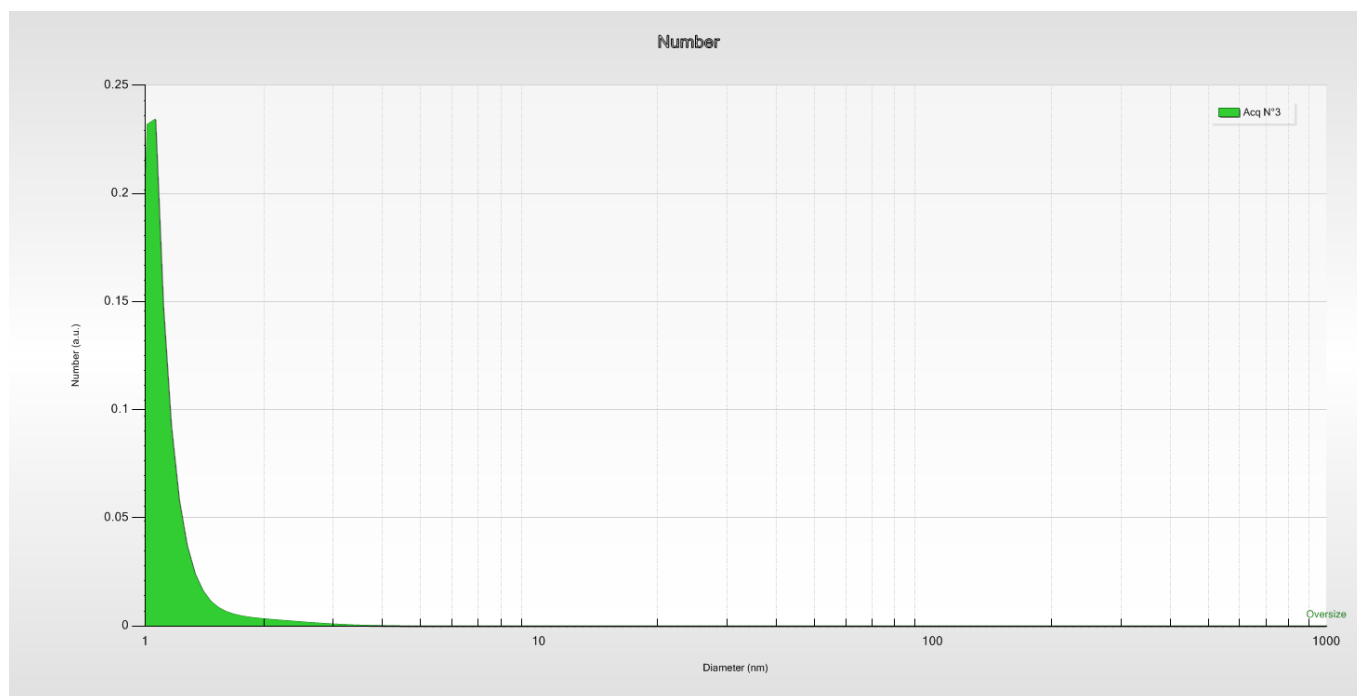
| | | |
|------------------------------|-------------------------|-------------------------|
| Dv 10%: 25.68 nm | Dv 50%: 42.71 nm | Dv 90%: 71.02 nm |
| Mean Volume: 45.43 nm | | |
| PDI : 0.65885 | | Std Dev: 40.58% |

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|----------------|-----------|------------|-------------------------|
| 52.18 | 0.71 | 4978.46 | 94.18435E-013 |

**Distribution statistics****Di 10%:** 14.75 nm**Di 50%:** 77.91 nm**Di 90%:** 129.55 nm**Mean Intensity:** 75.99 nm**Solution index:** 4

| | | | | |
|-----------------|-----------------------|-----------------------|----------------------|----------------------------|
| Peak : 1 | Mode: 89.5 nm | Mean: 93.7 nm | Dev.: 32.11 % | Intensity.: 78.21 % |
| Peak : 2 | Mode: 19.46 nm | Mean: 19.01 nm | Dev.: 28.52 % | Intensity.: 15.74 % |
| Peak : 3 | Mode: 3.52 nm | Mean: 3.8 nm | Dev.: 36.33 % | Intensity.: 6.05 % |

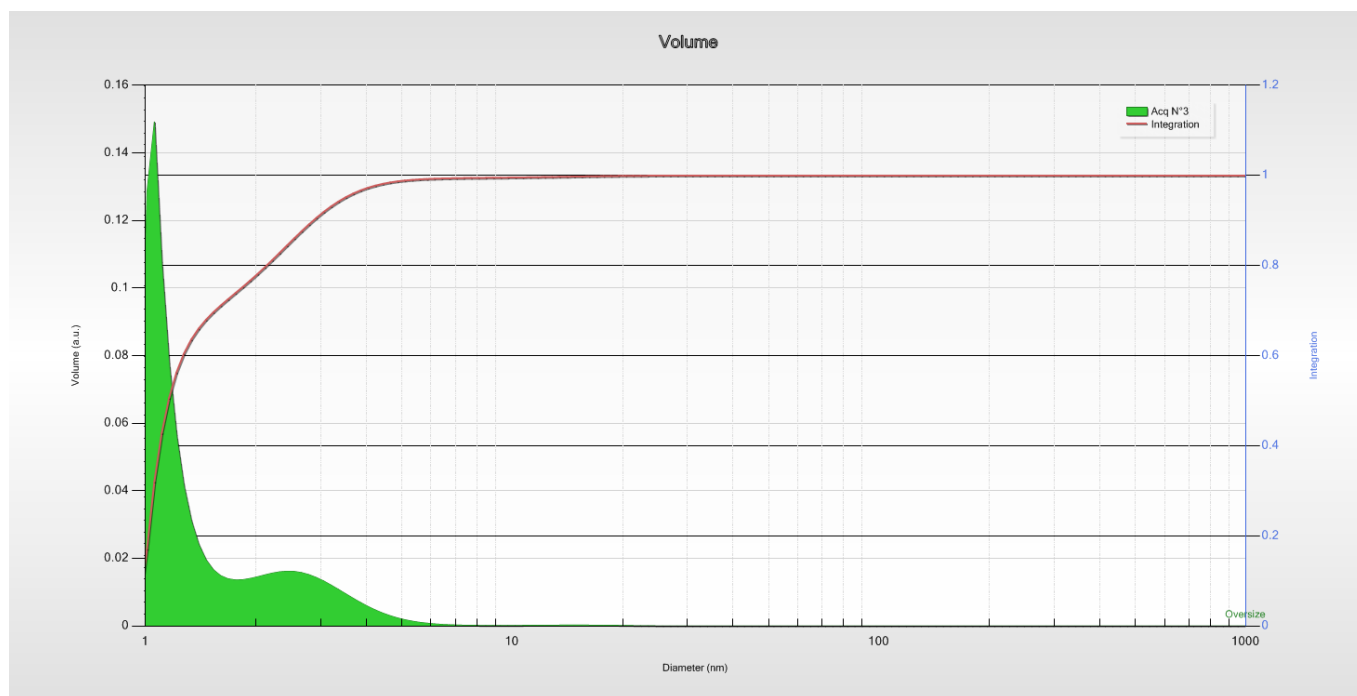
**Distribution statistics**

Dn 10%: 1.01 nm
Mean Number: 1.14 nm
Solution index: 4

Dn 50%: 1.06 nm

Dn 90%: 1.33 nm

Peak : 1 | **Mode:** 1.06 nm **Mean:** 1.14 nm **Dev.:** 24.1 % **Intensity.:** 100 %

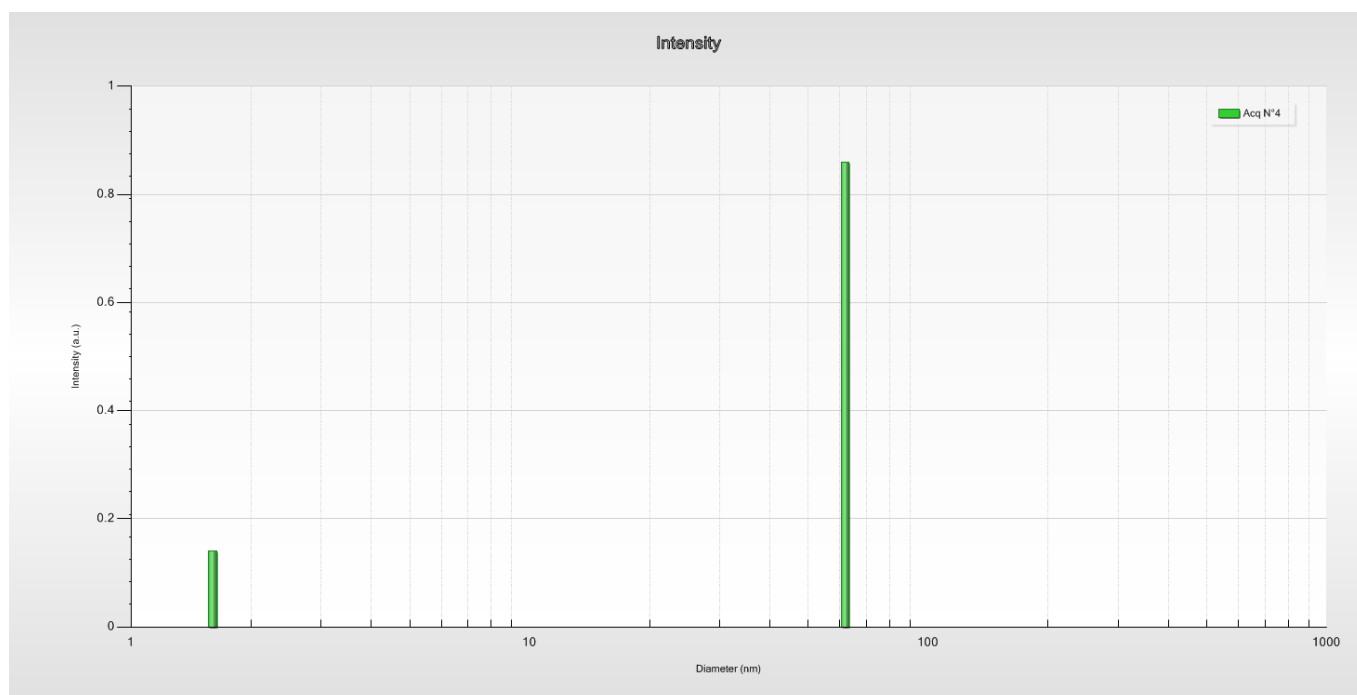
**Distribution statistics**

Dv 10%: 1.01 nm
Mean Volume: 1.68 nm
Solution index: 4

Dv 50%: 1.16 nm

Dv 90%: 2.92 nm

| | | | | |
|-----------------|----------------------|----------------------|---------------------|----------------------------|
| Peak : 1 | Mode: 1.06 nm | Mean: 1.17 nm | Dev.: 16.1 % | Intensity.: 73.23 % |
| Peak : 2 | Mode: 2.43 nm | Mean: 2.82 nm | Dev.: 33.5 % | Intensity.: 26.77 % |



Dispersion statistics

Di 10%: 1.6 nm

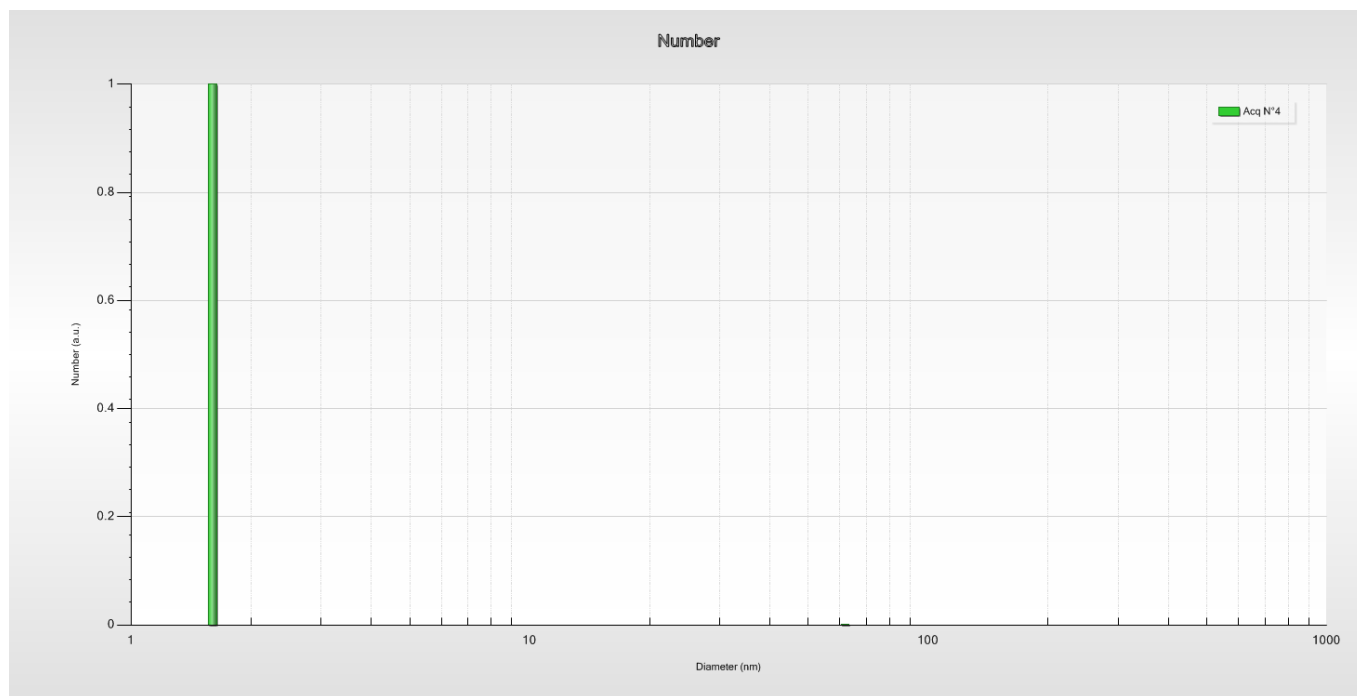
Di 50%: 61.83 nm

Di 90%: 61.83 nm

Mean Intensity: 53.41 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|--------------------------------|
| 1.59 | 0.13 | 163644.76 | 30.95894E-011 |
| 62.59 | 0.79 | 4150.36 | 78.51804E-013 |



Dispersion statistics

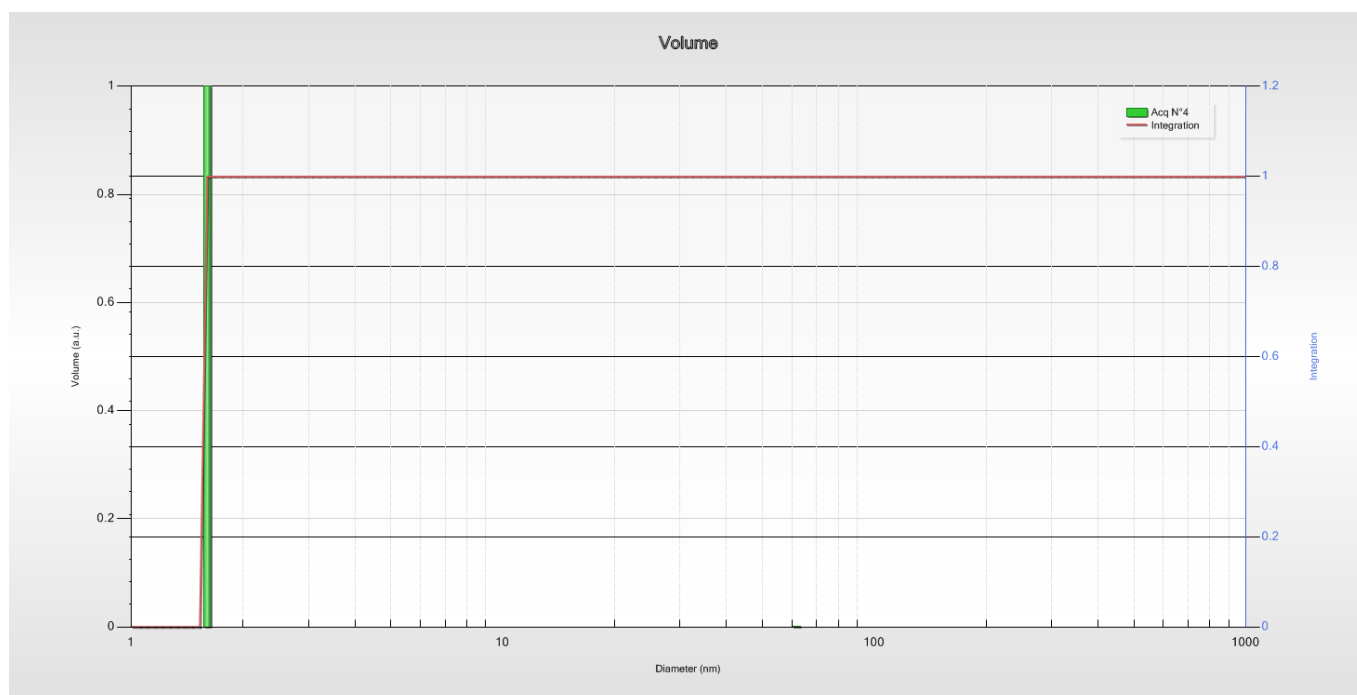
Dn 10%: 1.6 nm
Mean Number: 1.6 nm

Dn 50%: 1.6 nm

Dn 90%: 1.6 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|--------------------------------|
| 1.59 | 0.13 | 163644.76 | 30.95894E-011 |
| 62.59 | 0.79 | 4150.36 | 78.51804E-013 |



Dispersion statistics

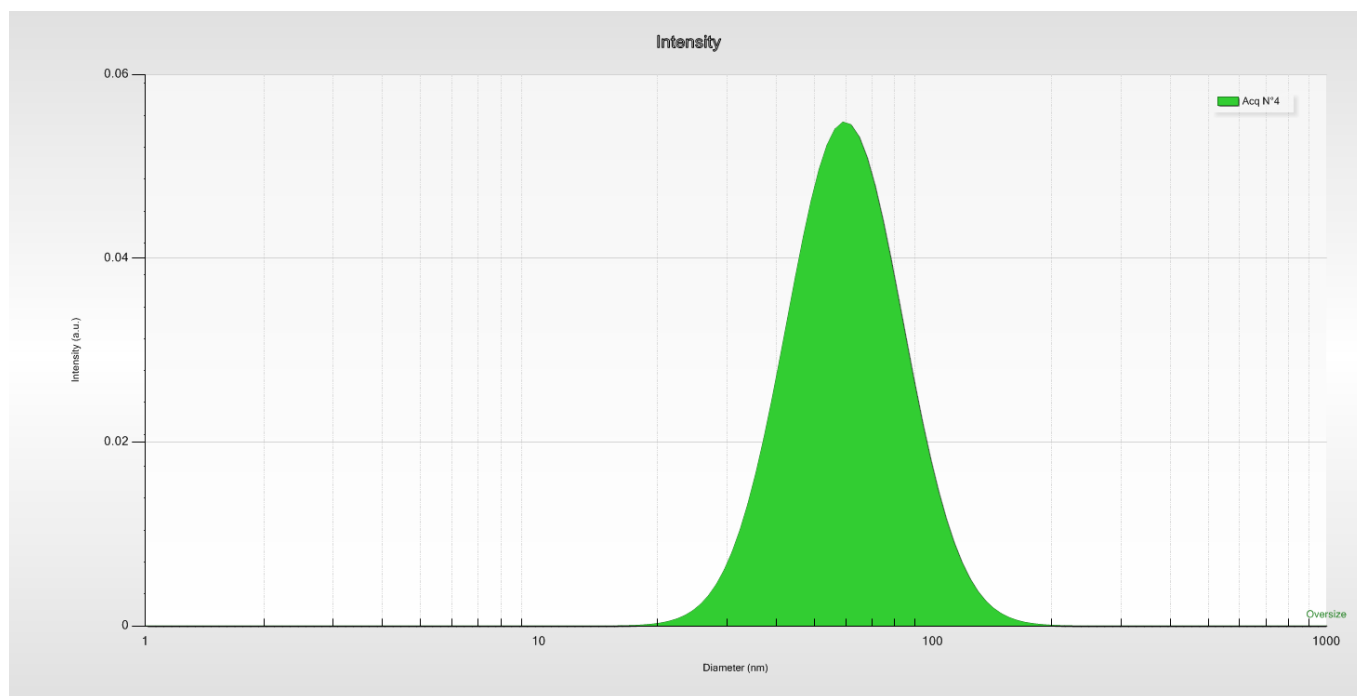
Dv 10%: 1.6 nm
Mean Volume: 1.61 nm

Dv 50%: 1.6 nm

Dv 90%: 1.6 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m ² /s) |
|-----------|-----------|------------|--------------------------------------|
| 1.59 | 0.13 | 163644.76 | 30.95894E-011 |
| 62.59 | 0.79 | 4150.36 | 78.51804E-013 |

**Distribution statistics**

Di 10%: 38.94 nm
Mean Intensity: 63.14 nm
PDI : 0.47873

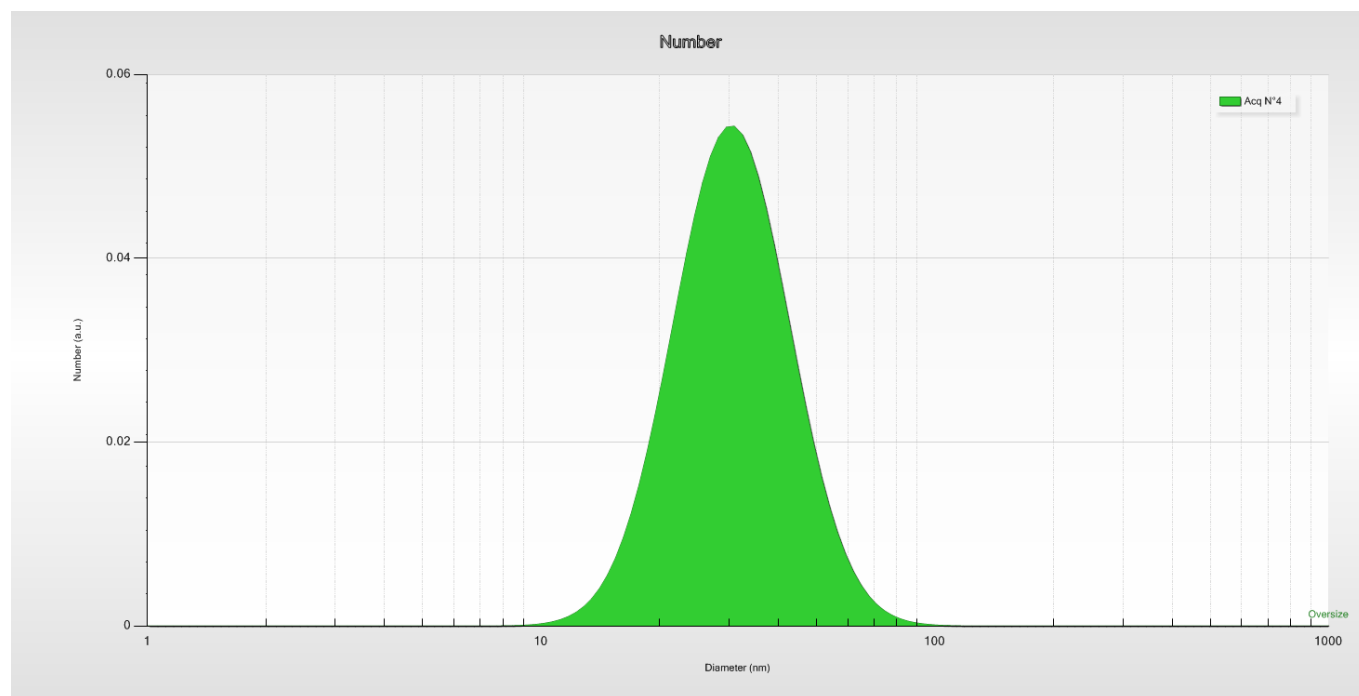
Di 50%: 59.03 nm

Di 90%: 93.73 nm

Std Dev: 34.6%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 50.35 | 0.7 | 5159.47 | 97.60875E-013 |

**Distribution statistics**

Dn 10%: 19.46 nm
Mean Number: 32.17 nm
PDI : 0.47873

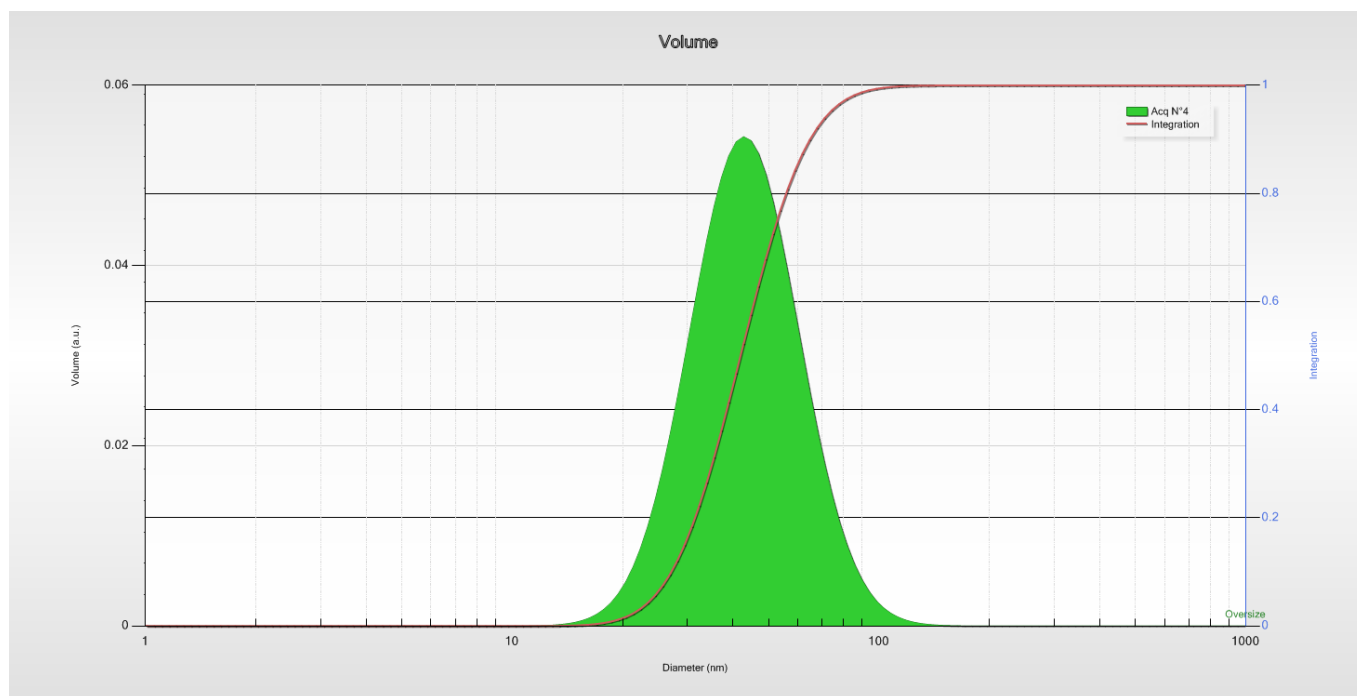
Dn 50%: 30.9 nm

Dn 90%: 46.85 nm

Std Dev: 34.6%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 50.35 | 0.7 | 5159.47 | 97.60875E-013 |



Distribution statistics

Dv 10%: 28.17 nm
Mean Volume: 45.45 nm
PDI : 0.47873

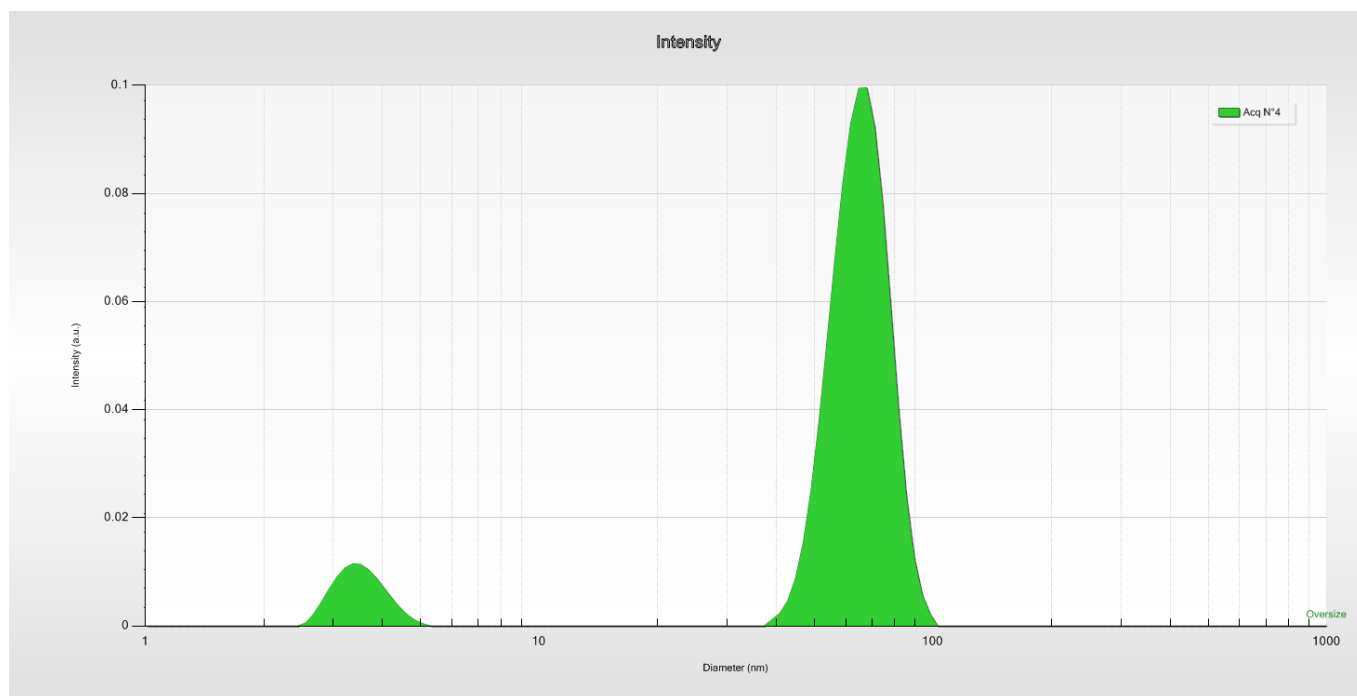
Dv 50%: 42.71 nm

Dv 90%: 67.81 nm

Std Dev: 34.6%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|-----------------------|------------------|-------------------|--------------------------------|
| 50.35 | 0.7 | 5159.47 | 97.60875E-013 |

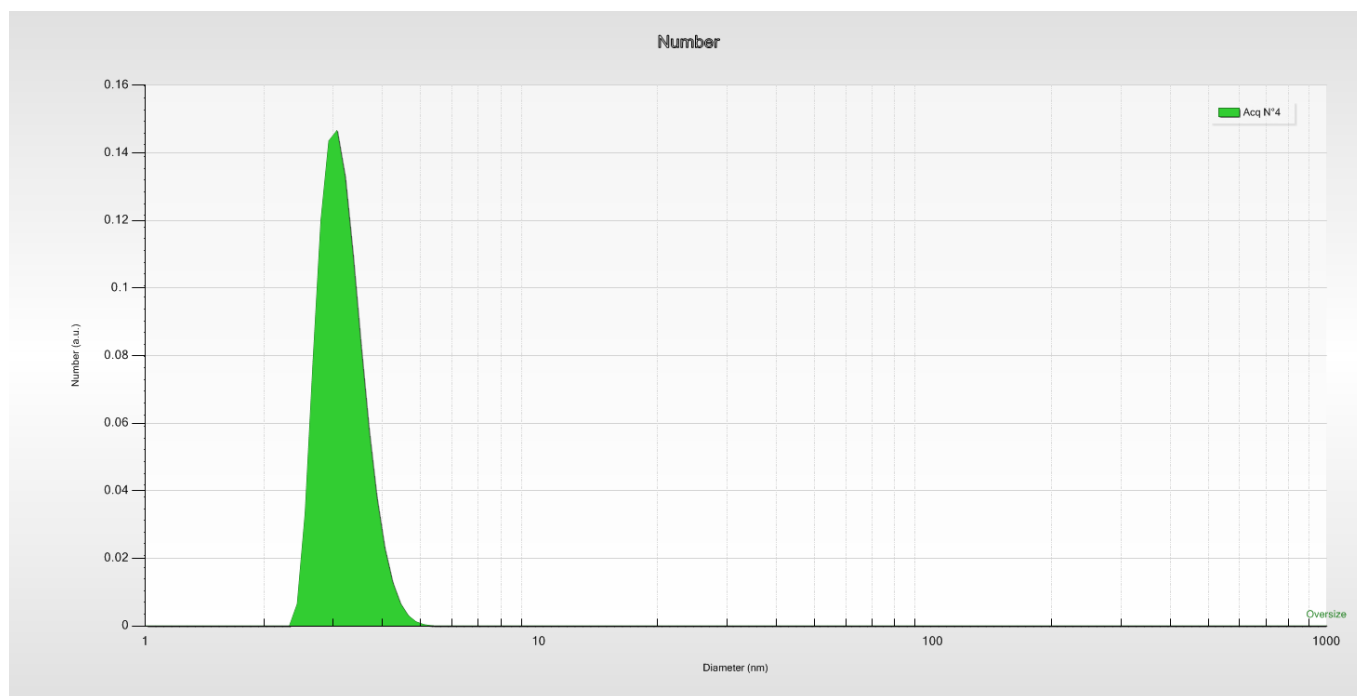
**Distribution statistics**

Di 10%: 42.71 nm
Mean Intensity: 59.67 nm
Solution index: 6

Di 50%: 64.75 nm

Di 90%: 77.91 nm

| | | | | |
|-----------------|-----------------------|-----------------------|----------------------|----------------------------|
| Peak : 1 | Mode: 64.75 nm | Mean: 65.57 nm | Dev.: 16.4 % | Intensity.: 90.55 % |
| Peak : 2 | Mode: 3.36 nm | Mean: 3.52 nm | Dev.: 14.73 % | Intensity.: 9.45 % |

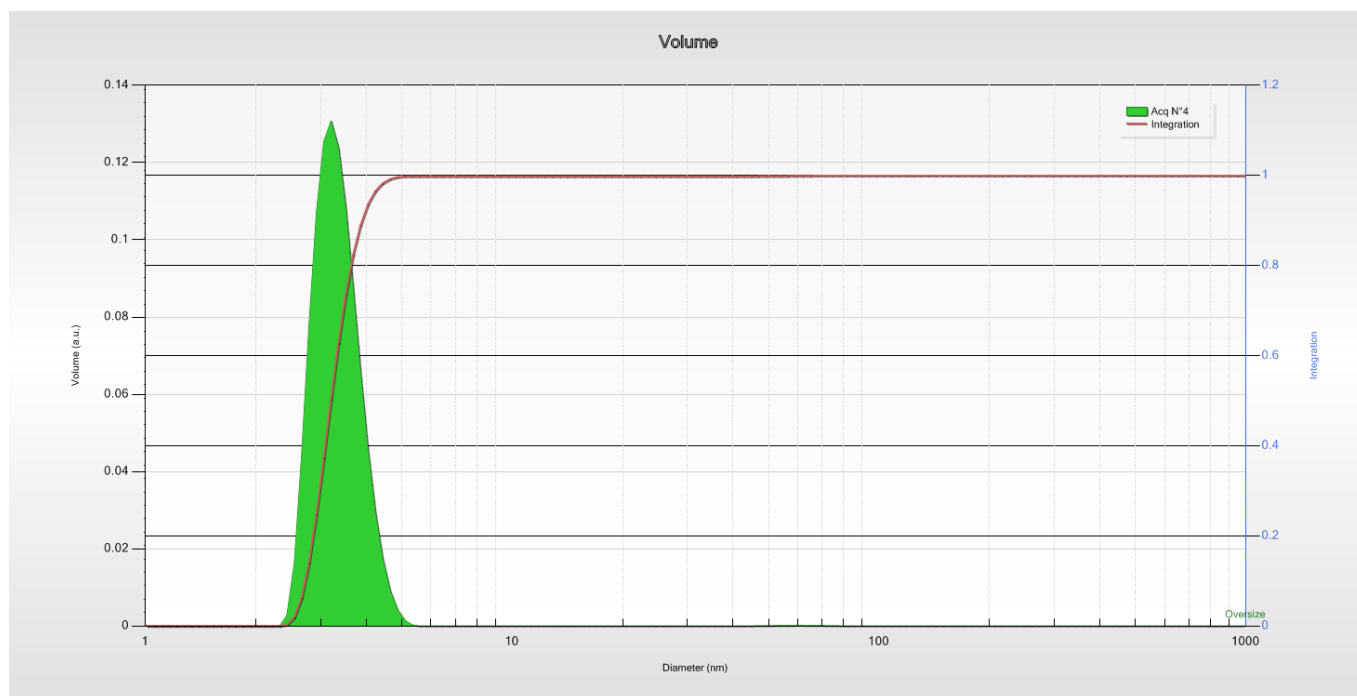
**Distribution statistics**

Dn 10%: 2.67 nm
Mean Number: 3.17 nm
Solution index: 6

Dn 50%: 3.06 nm

Dn 90%: 3.68 nm

Peak : 1 | **Mode:** 3.06 nm **Mean:** 3.17 nm **Dev.:** 13.46 % **Intensity.:** 100 %

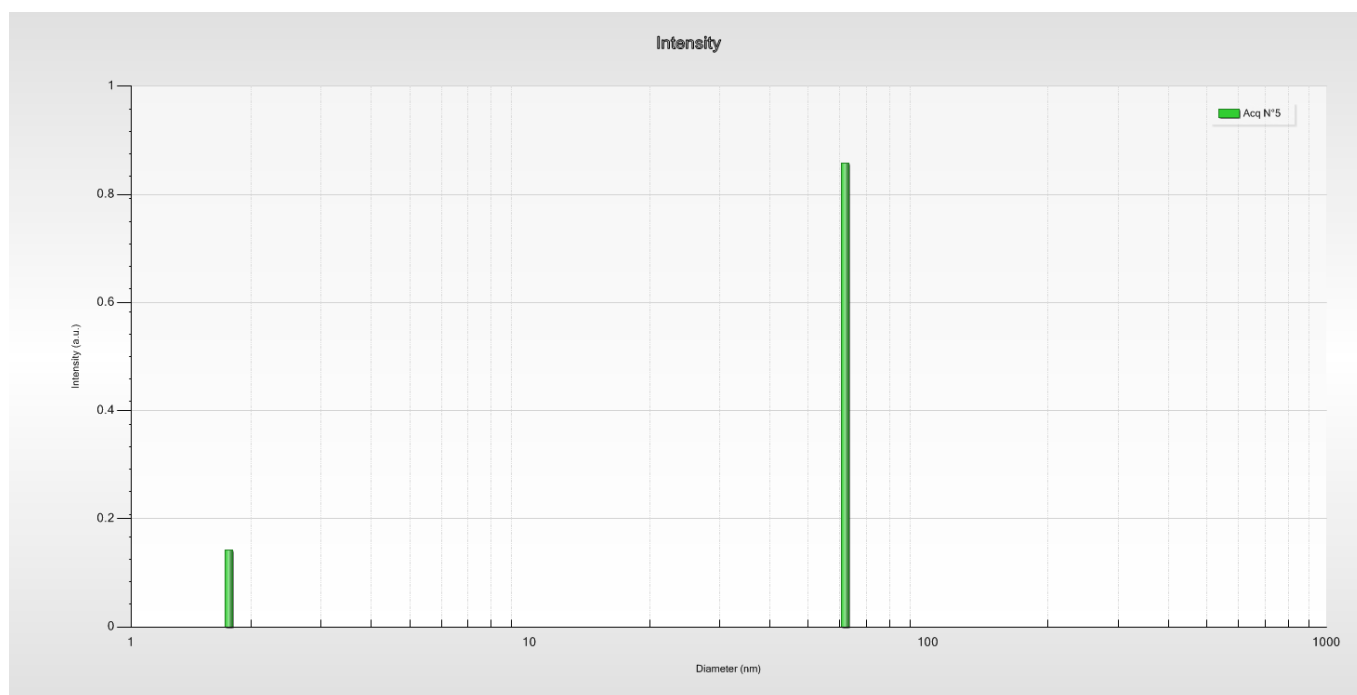
**Distribution statistics**

Dv 10%: 2.79 nm
Mean Volume: 3.43 nm
Solution index: 6

Dv 50%: 3.21 nm

Dv 90%: 4.04 nm

Peak : 1 | **Mode:** 3.21 nm **Mean:** 3.34 nm **Dev.:** 14.48 % **Intensity.:** 100 %



Dispersion statistics

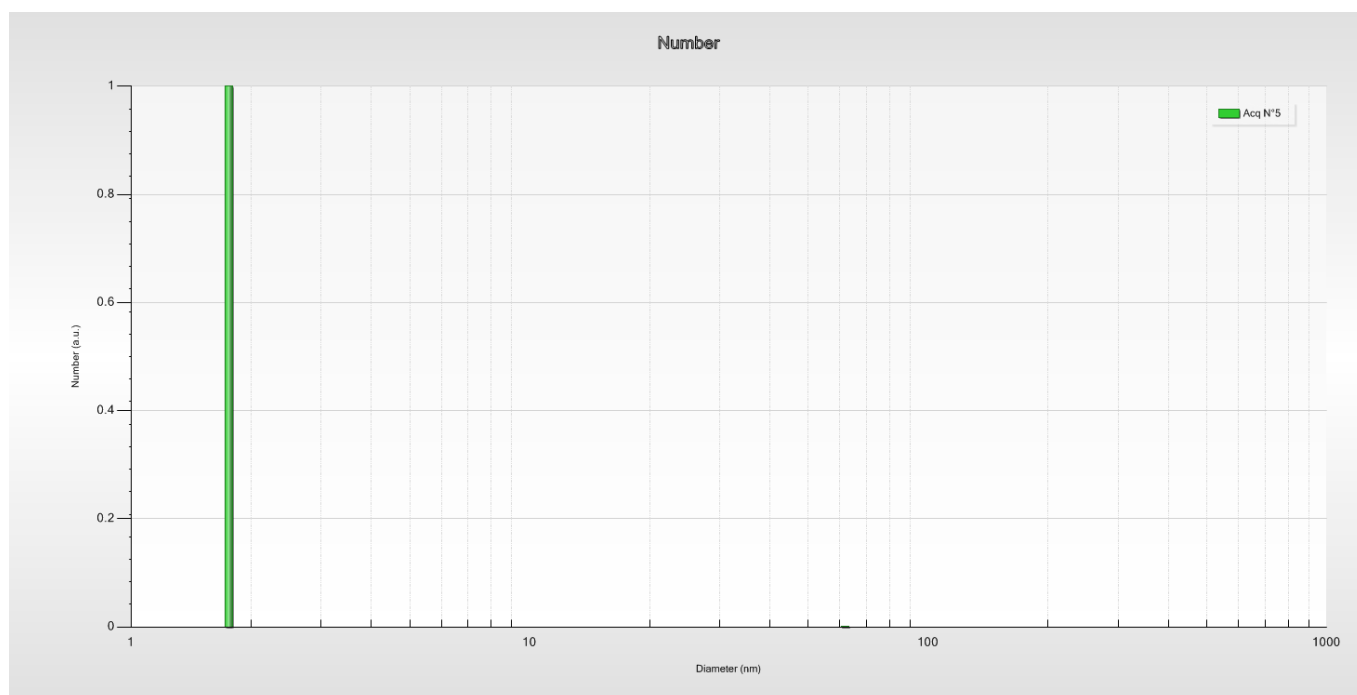
Di 10%: 1.76 nm
Mean Intensity: 53.26 nm

Di 50%: 61.83 nm

Di 90%: 61.83 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|--------------------------------|
| 1.72 | 0.13 | 151148.33 | 28.59482E-011 |
| 60.75 | 0.79 | 4276.03 | 80.89556E-013 |



Dispersion statistics

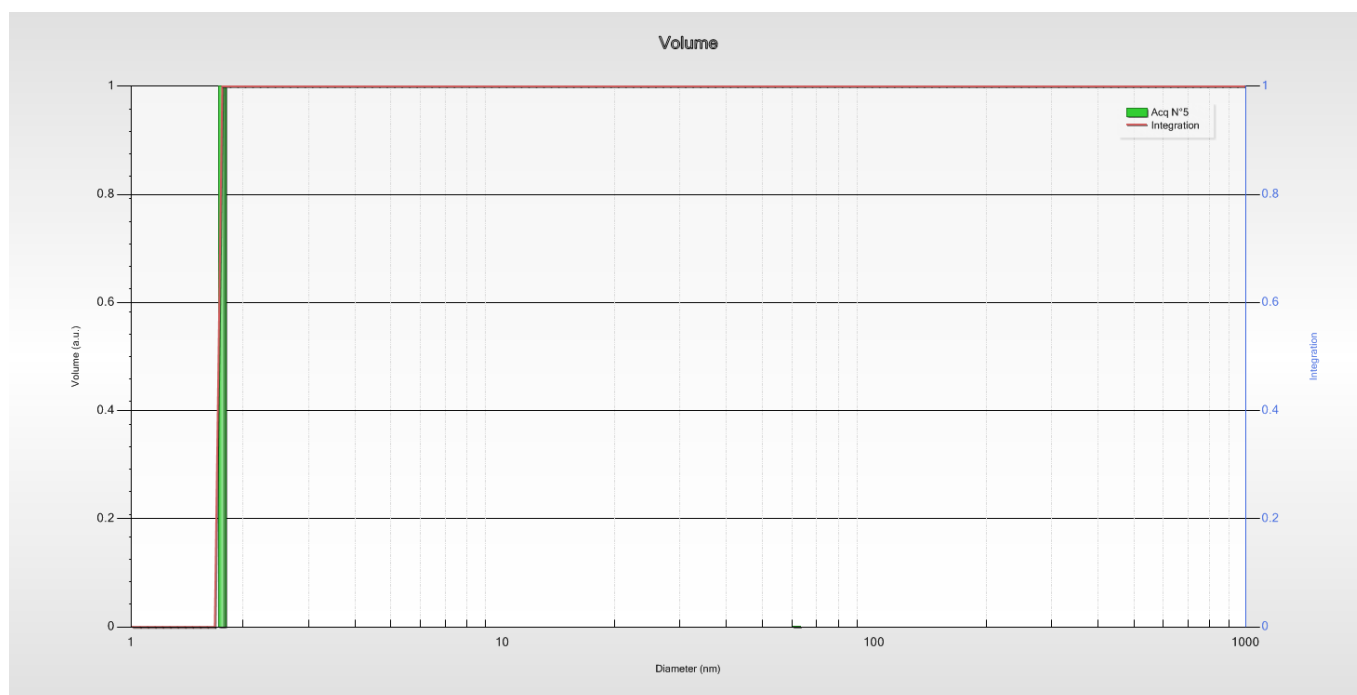
Dn 10%: 1.76 nm
Mean Number: 1.76 nm

Dn 50%: 1.76 nm

Dn 90%: 1.76 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|------------------|------------------|-------------------|---|
| 1.72 | 0.13 | 151148.33 | 28.59482E-011 |
| 60.75 | 0.79 | 4276.03 | 80.89556E-013 |



Dispersion statistics

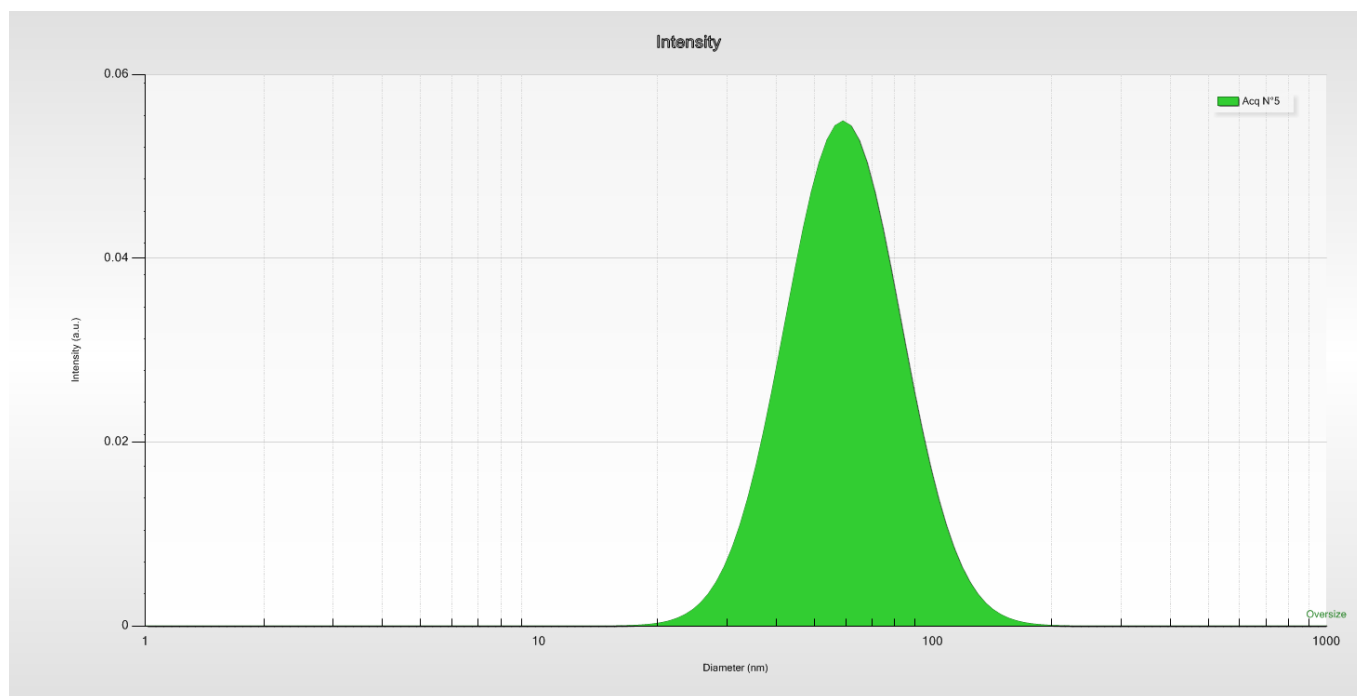
Dv 10%: 1.76 nm
Mean Volume: 1.77 nm

Dv 50%: 1.76 nm

Dv 90%: 1.76 nm

Detected size(s)

| Size (nm) | Intensity | Decay Rate | Diffusion Coeff. (m ² /s) |
|-----------|-----------|------------|--------------------------------------|
| 1.72 | 0.13 | 151148.33 | 28.59482E-011 |
| 60.75 | 0.79 | 4276.03 | 80.89556E-013 |

**Distribution statistics**

Di 10%: 38.94 nm
Mean Intensity: 62.46 nm
PDI : 0.4769

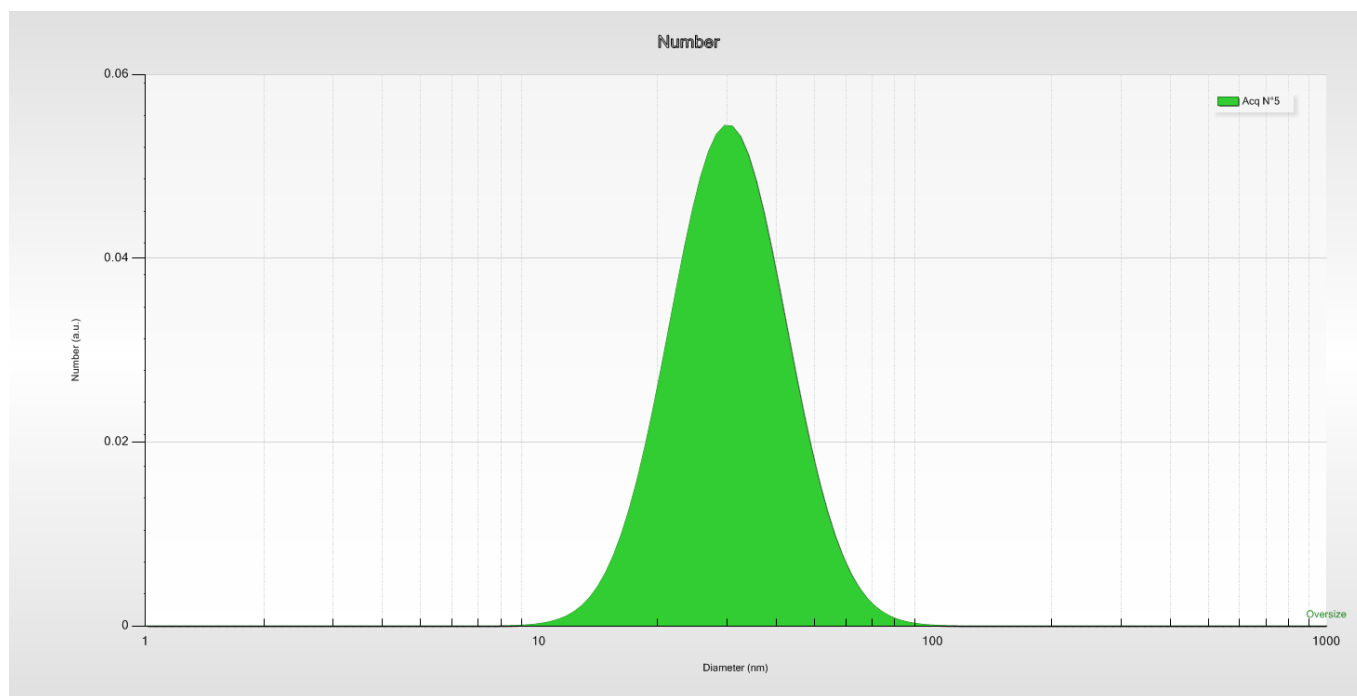
Di 50%: 59.03 nm

Di 90%: 89.5 nm

Std Dev: 34.53%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|-----------------------|------------------|-------------------|--------------------------------|
| 49.85 | 0.69 | 5211.48 | 98.59281E-013 |

**Distribution statistics**

Dn 10%: 19.46 nm
Mean Number: 31.9 nm
PDI : 0.4769

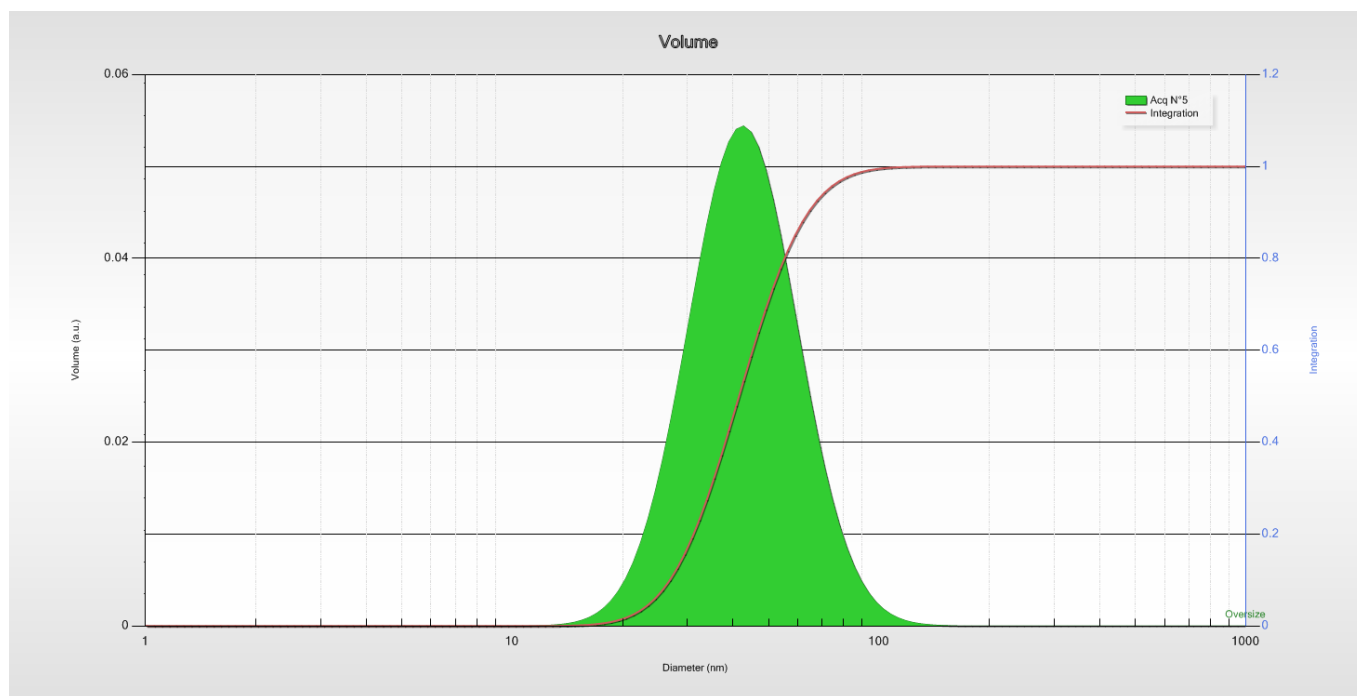
Dn 50%: 29.5 nm

Dn 90%: 46.85 nm

Std Dev: 34.53%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|---------------------------|------------------|-------------------|---|
| 49.85 | 0.69 | 5211.48 | 98.59281E-013 |



Distribution statistics

Dv 10%: 28.17 nm
Mean Volume: 45.01 nm
PDI : 0.4769

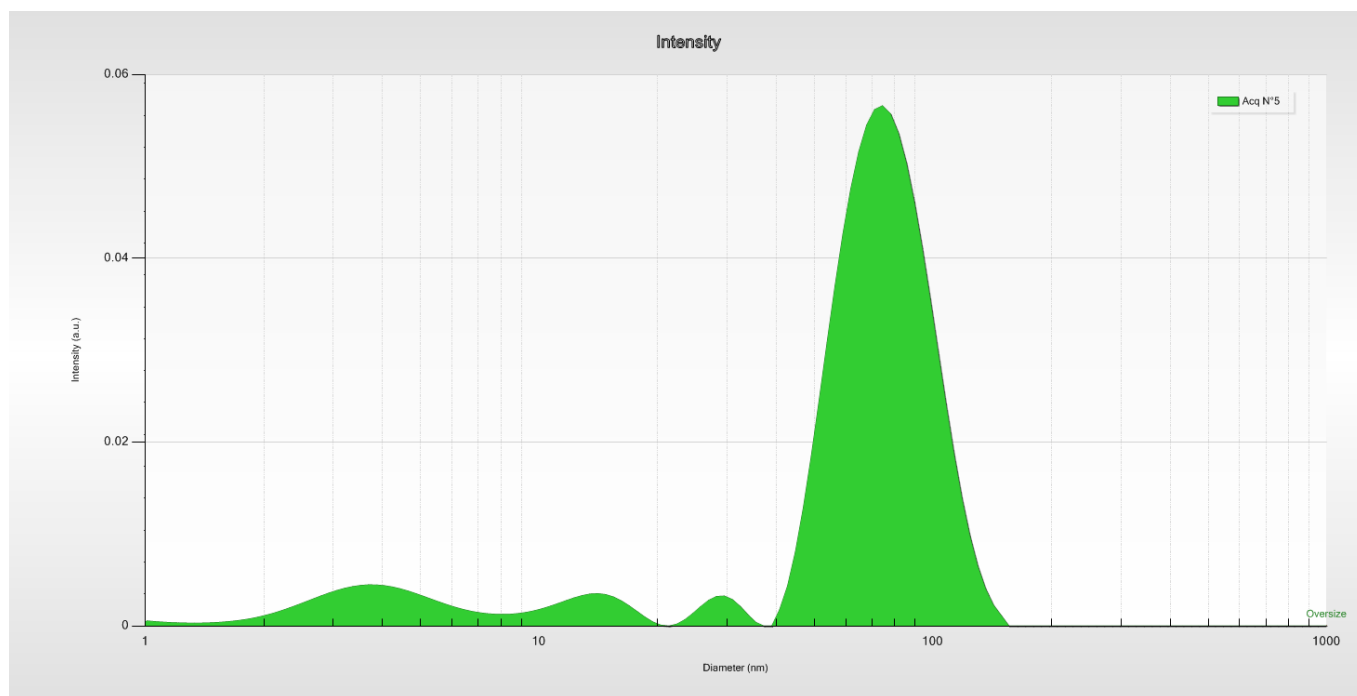
Dv 50%: 42.71 nm

Dv 90%: 64.75 nm

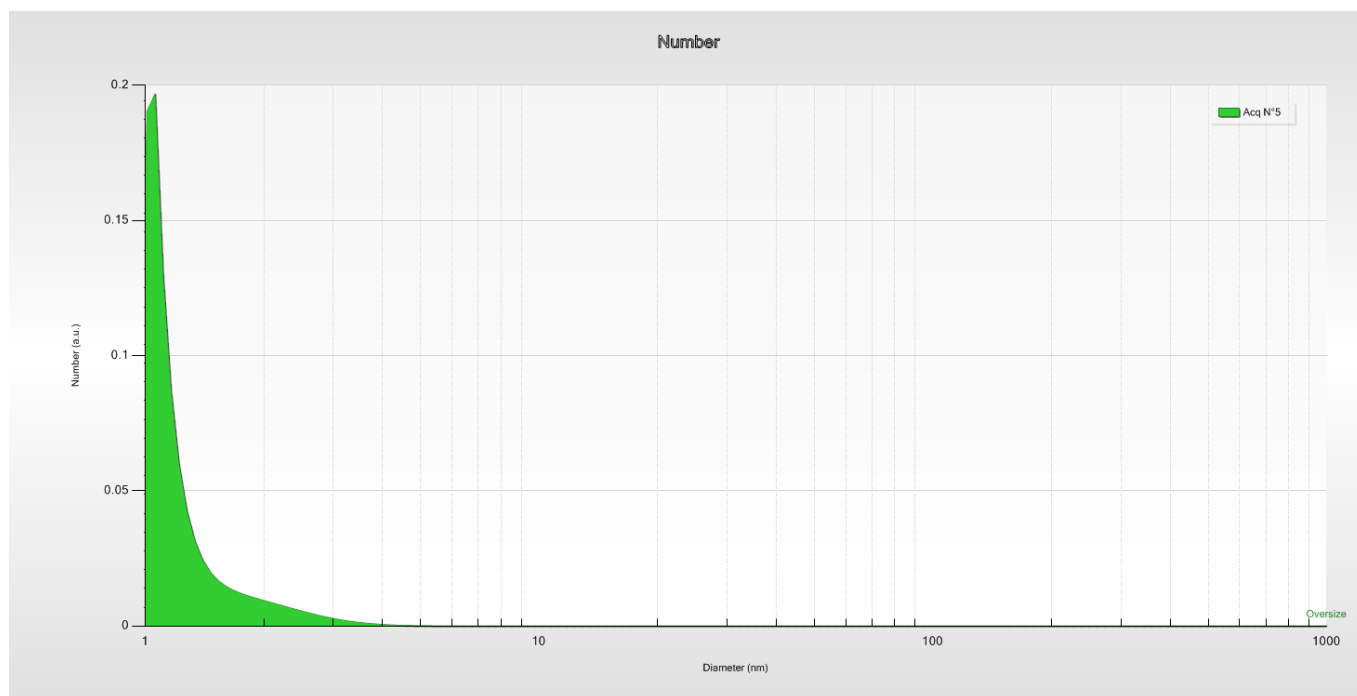
Std Dev: 34.53%

Detected size(s)

| Z average (nm) | Intensity | Decay Rate | Diffusion Coeff. (m²/s) |
|-----------------------|------------------|-------------------|--------------------------------|
| 49.85 | 0.69 | 5211.48 | 98.59281E-013 |

**Distribution statistics****Di 10%:** 9.73 nm**Di 50%:** 71.02 nm**Di 90%:** 102.81 nm**Mean Intensity:** 66.48 nm**Solution index:** 4

| | | | | |
|-----------------|-----------------------|-----------------------|----------------------|----------------------------|
| Peak : 1 | Mode: 74.39 nm | Mean: 77.29 nm | Dev.: 25.94 % | Intensity.: 84.19 % |
| Peak : 2 | Mode: 3.68 nm | Mean: 4.01 nm | Dev.: 37.43 % | Intensity.: 9.33 % |
| Peak : 3 | Mode: 14.08 nm | Mean: 13.08 nm | Dev.: 21.72 % | Intensity.: 4.44 % |
| Peak : 4 | Mode: 29.5 nm | Mean: 28.82 nm | Dev.: 10.96 % | Intensity.: 2.04 % |

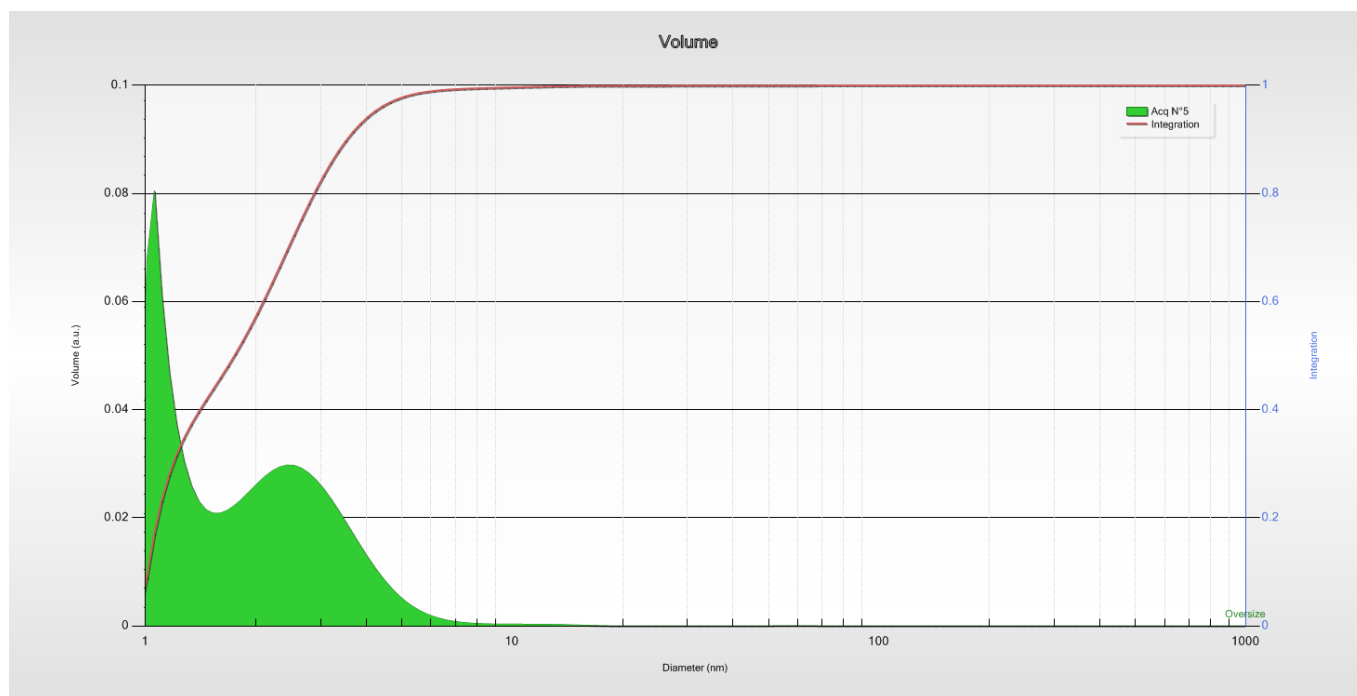
**Distribution statistics**

Dn 10%: 1.01 nm
Mean Number: 1.25 nm
Solution index: 4

Dn 50%: 1.11 nm

Dn 90%: 1.68 nm

Peak : 1 | **Mode:** 1.06 nm **Mean:** 1.25 nm **Dev.:** 34.21 % **Intensity.:** 100 %

**Distribution statistics**

Dv 10%: 1.06 nm
Mean Volume: 2.16 nm
Solution index: 4

Dv 50%: 1.76 nm

Dv 90%: 3.68 nm

| | | | | |
|-----------------|----------------------|----------------------|----------------------|----------------------------|
| Peak : 1 | Mode: 2.43 nm | Mean: 2.87 nm | Dev.: 44.85 % | Intensity.: 54.99 % |
| Peak : 2 | Mode: 1.06 nm | Mean: 1.19 nm | Dev.: 15.23 % | Intensity.: 45.01 % |