

Sample

Name : GNP_11.4.16_1.24_1k_1
Mesured On : 11.04.2016 18:50
by : Hannelore **logged as** : Expert
Comments from Hannelore :

SOP

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

Device Settings

Time interval	: 2 μ s	Number of channels	: 600
Laser power	: 56.8 %	Wavelength	: 657 nm
DTC Position	: UP		

Liquid Medium

Refractive index	: 1.331	Viscosity	: 0.888 cP
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Particles

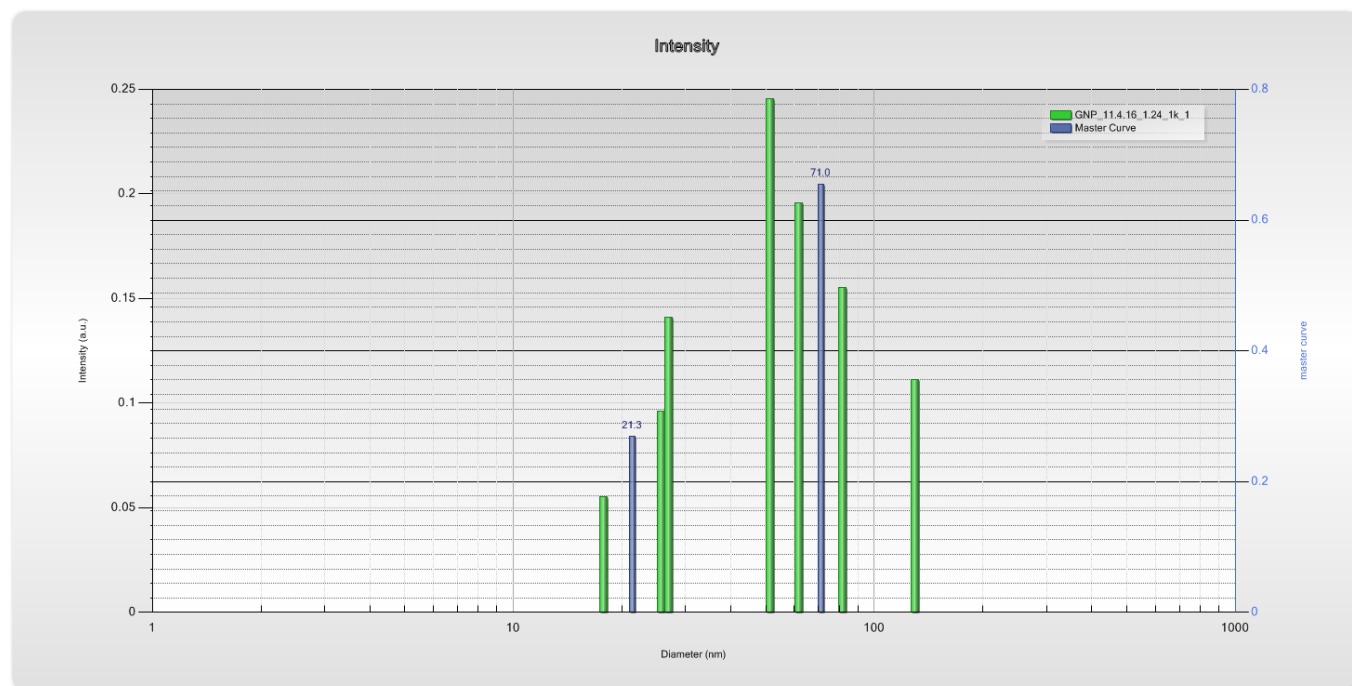
Real part	: 1.56	Imaginary part	: 0.01
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Algorithm

Pade Laplace	Cumulants
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Measurement

Average count rate : 2692 kcps **Duration** : 00:05:21
Number of rejected : 1 **Number of modified** : 0



Dispersion statistics

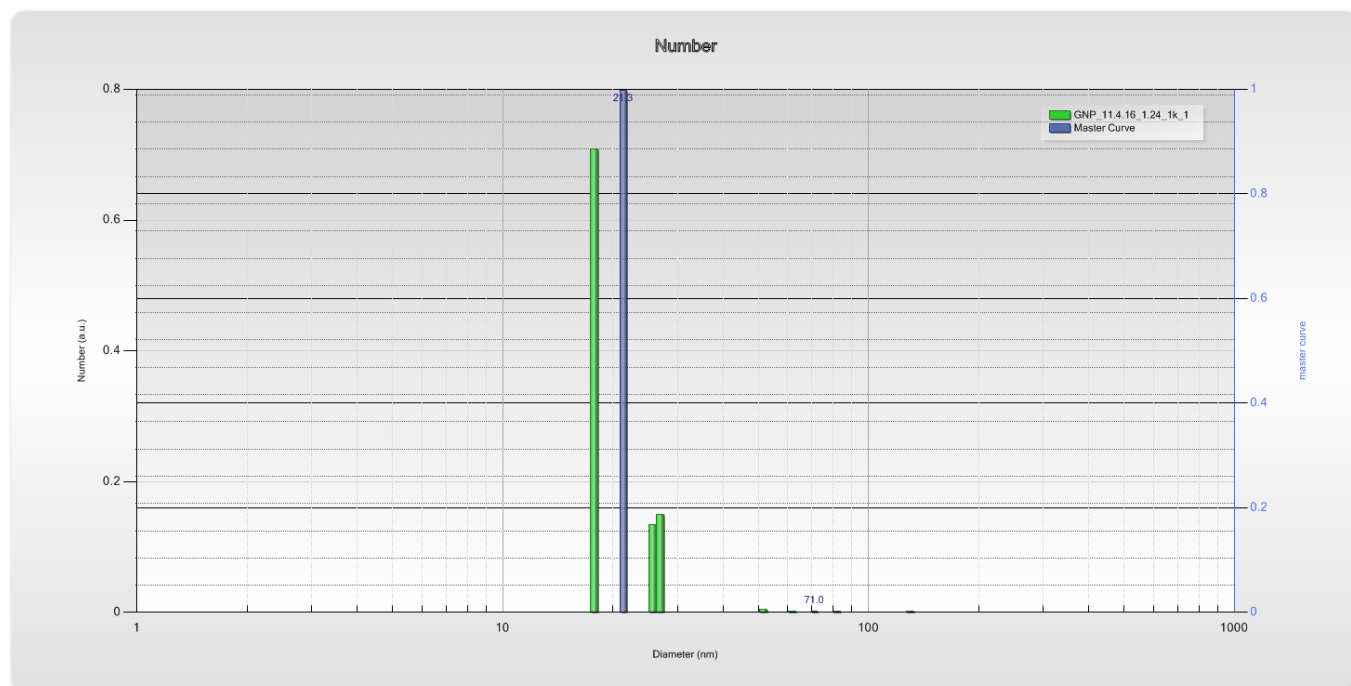
Di 10%: 25.68 nm

Di 50%: 51.39 nm

Di 90%: 129.55 nm

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity
17.74	0.06	26.9	0.14	61.83	0.2	129.55	0.11
25.68	0.1	51.39	0.25	81.59	0.16		



Dispersion statistics

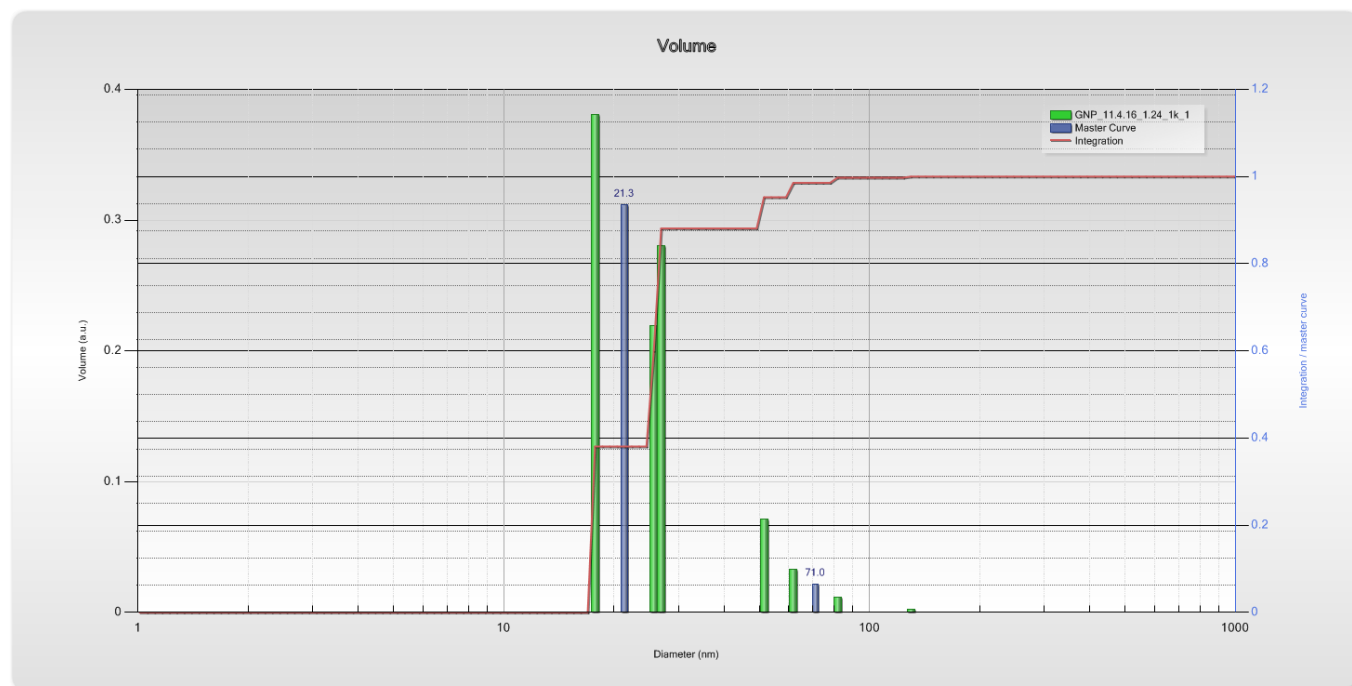
Dn 10%: 17.74 nm

Dn 50%: 17.74 nm

Dn 90%: 26.9 nm

Dispersion datas

Size (nm)	Number	Size (nm)	Number	Size (nm)	Number	Size (nm)	Number
17.74	0.71	26.9	0.15				
25.68	0.13	51.39	0.01				



Dispersion statistics

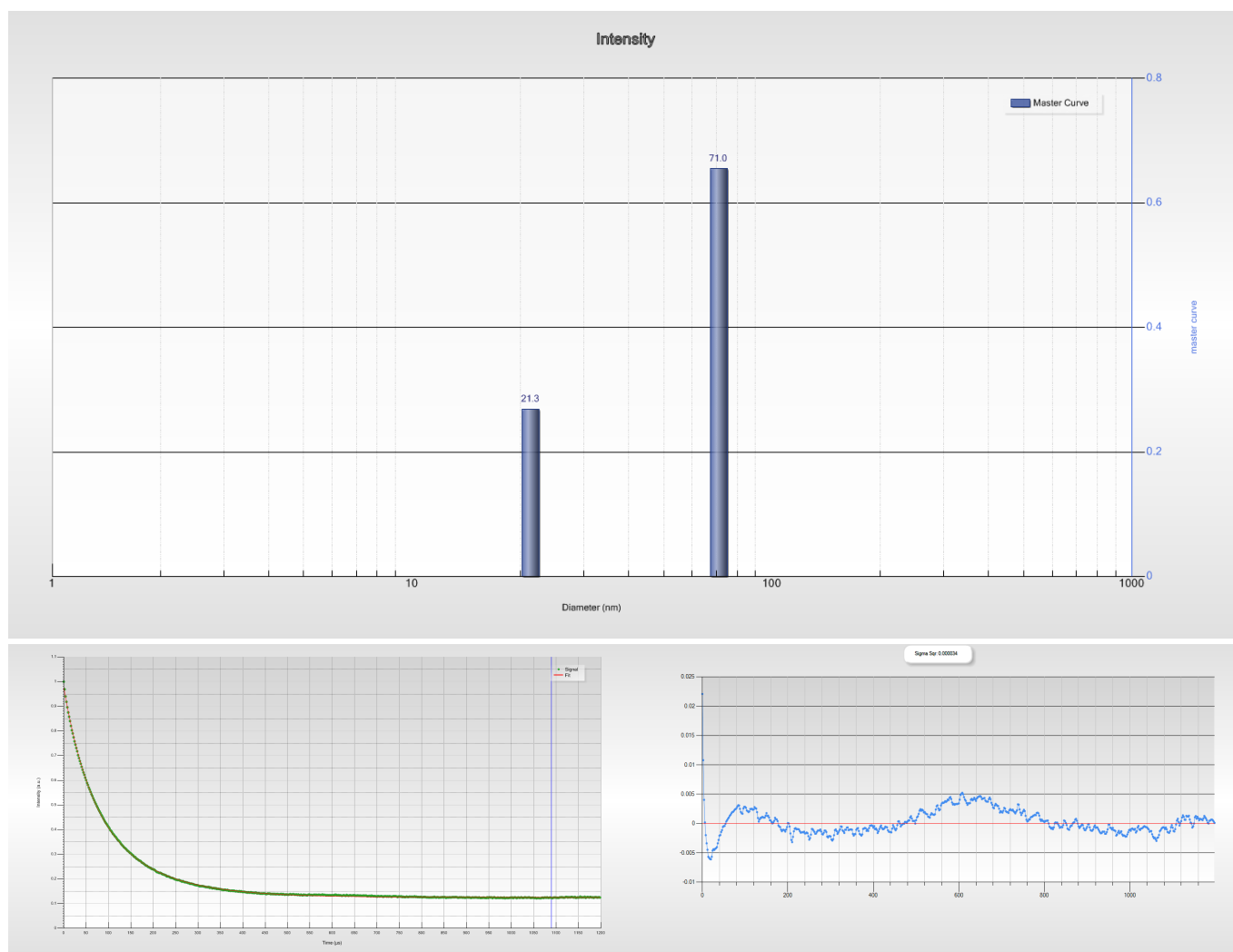
Dv 10%: 17.74 nm

Dv 50%: 25.68 nm

Dv 90%: 51.39 nm

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume
17.74	0.38	26.9	0.28	61.83	0.03		
25.68	0.22	51.39	0.07	81.59	0.01		



Dispersion statistics

Di 10%: 21.35 nm
Mean Intensity: 56.57 nm

Di 50%: 71.02 nm

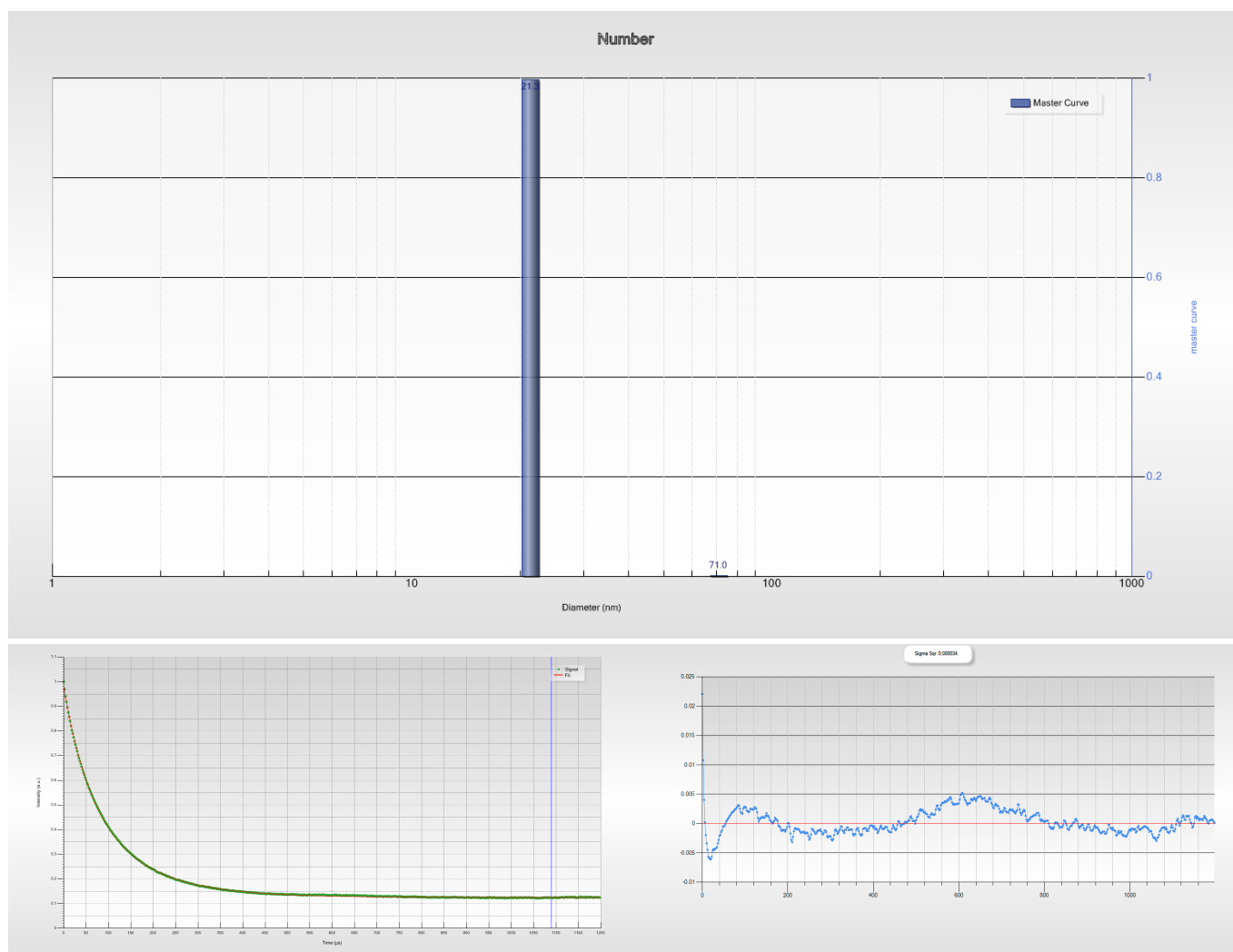
Di 90%: 71.02 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
20.94	0.27	12423.23	23.50274E-012
71.21	0.65	3653.87	69.12522E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
21.35	0.29	71.02	0.71



Dispersion statistics

Dn 10%: 21.35 nm
Mean Number: 21.44 nm

Dn 50%: 21.35 nm

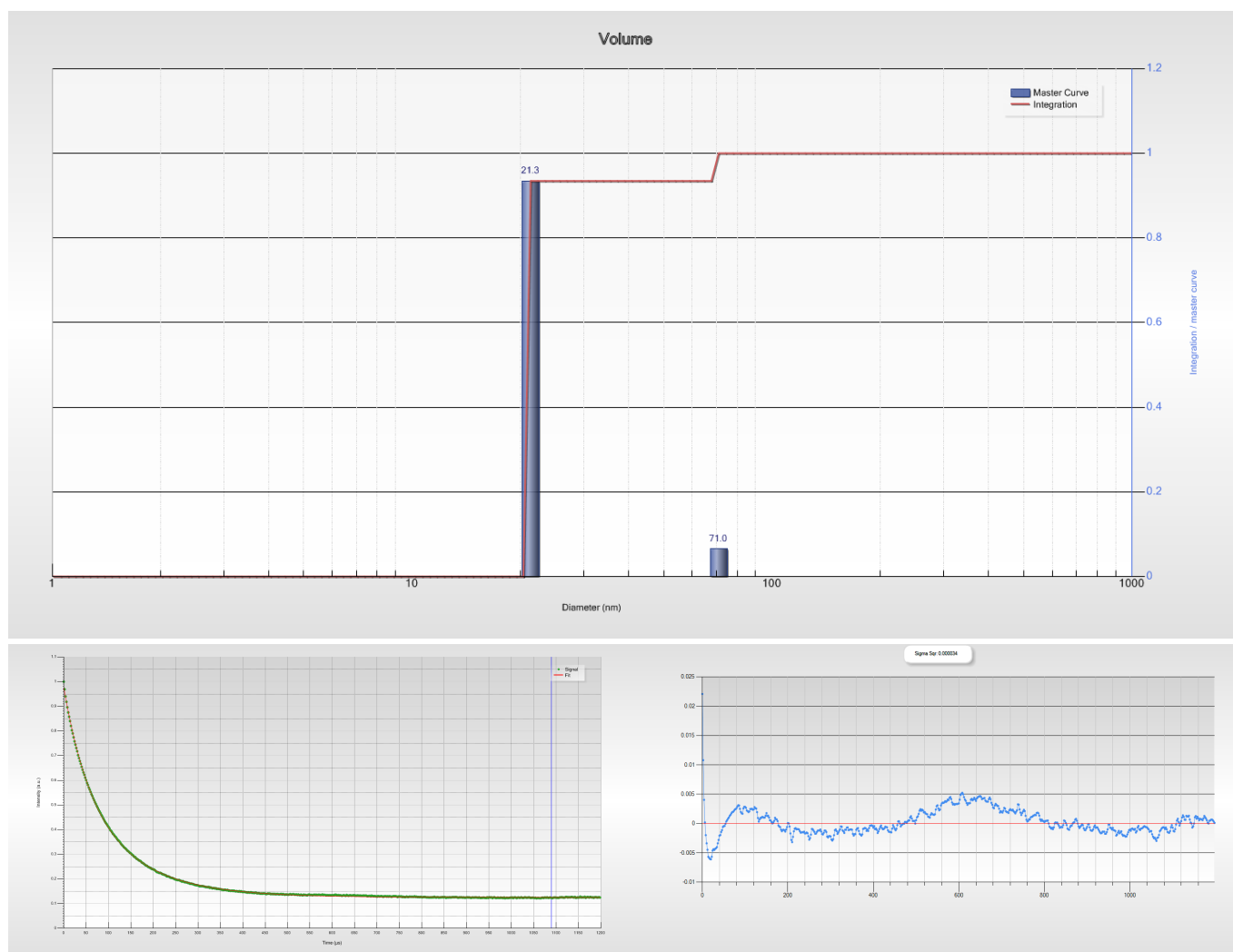
Dn 90%: 21.35 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
20.94	0.27	12423.23	23.50274E-012
71.21	0.65	3653.87	69.12522E-013

Dispersion datas

Size (nm)	Number
21.35	1



Dispersion statistics

Dv 10%: 21.35 nm
Mean Volume: 24.58 nm

Dv 50%: 21.35 nm

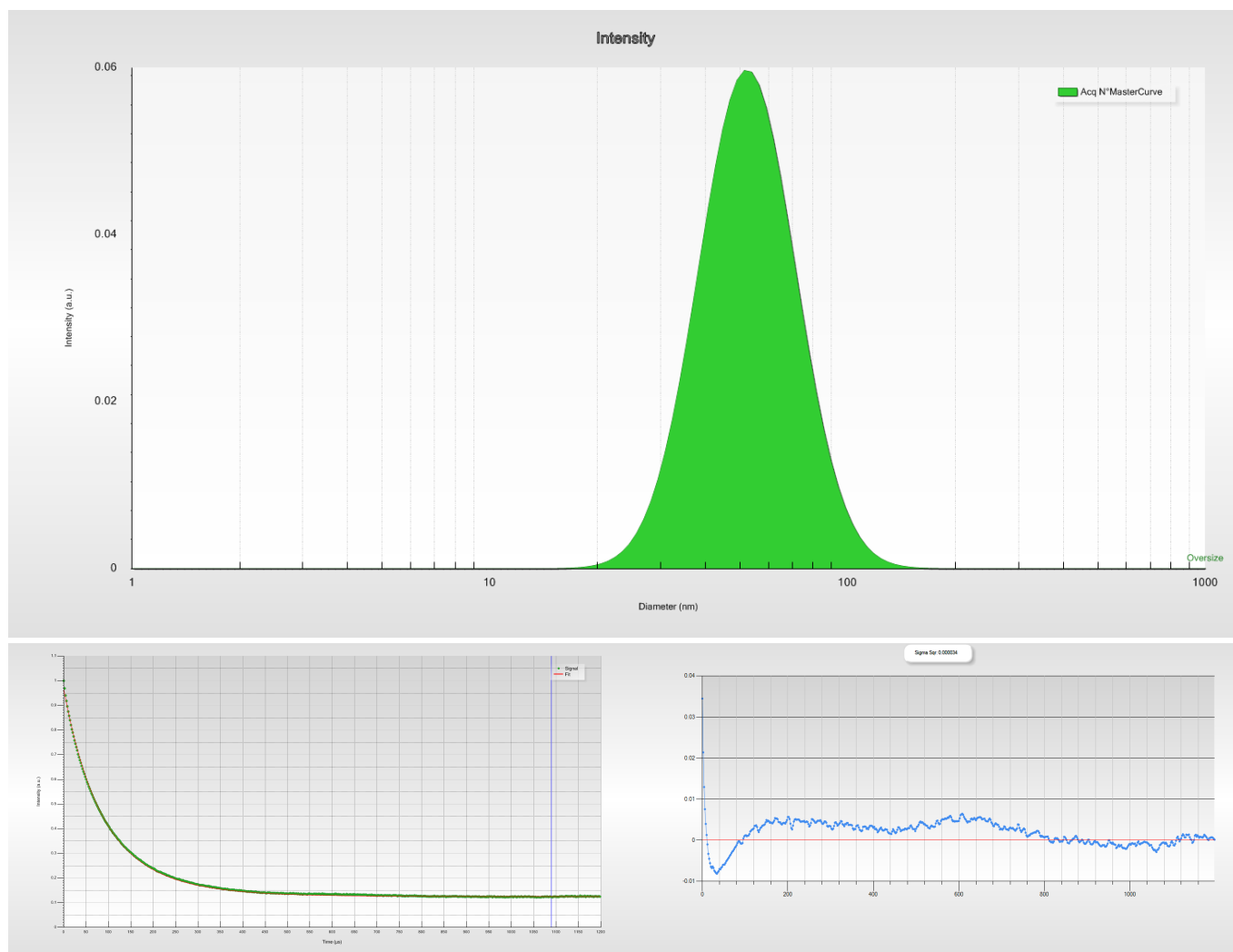
Dv 90%: 21.35 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
20.94	0.27	12423.23	23.50274E-012
71.21	0.65	3653.87	69.12522E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
21.35	0.93	71.02	0.07



Distribution statistics

Di 10%: 35.5 nm
Mean Intensity: 54.8 nm
PDI : 0.39983

Di 50%: 51.39 nm

Di 90%: 77.91 nm

Std Dev: 31.62%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.3	0.84	5736.52	10.85257E-012



Distribution statistics

Dn 10%: 19.46 nm
Mean Number: 31.04 nm
PDI : 0.39983

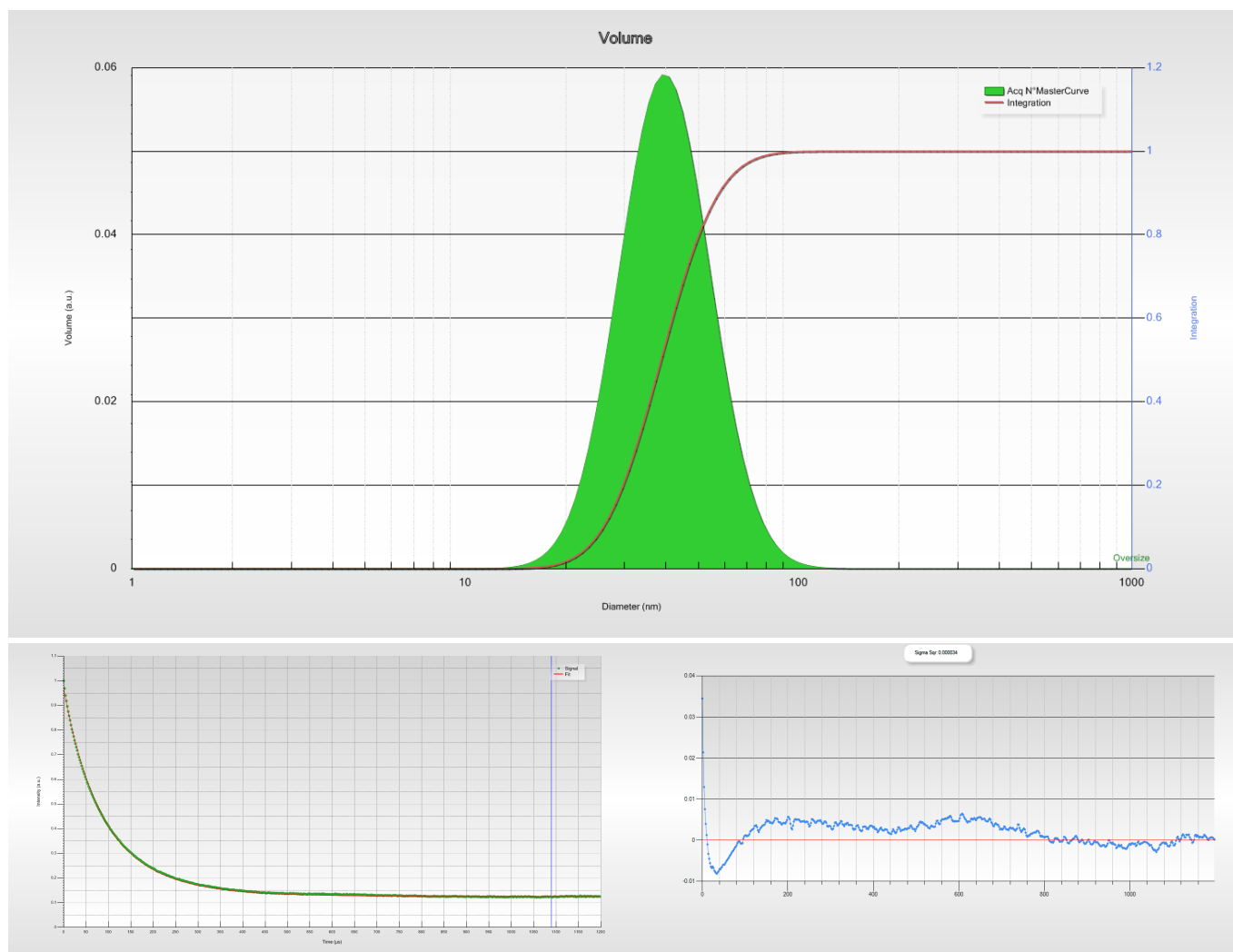
Dn 50%: 29.5 nm

Dn 90%: 44.73 nm

Std Dev: 31.62%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.3	0.84	5736.52	10.85257E-012



Distribution statistics

Dv 10%: 26.9 nm
Mean Volume: 41.52 nm
PDI : 0.39983

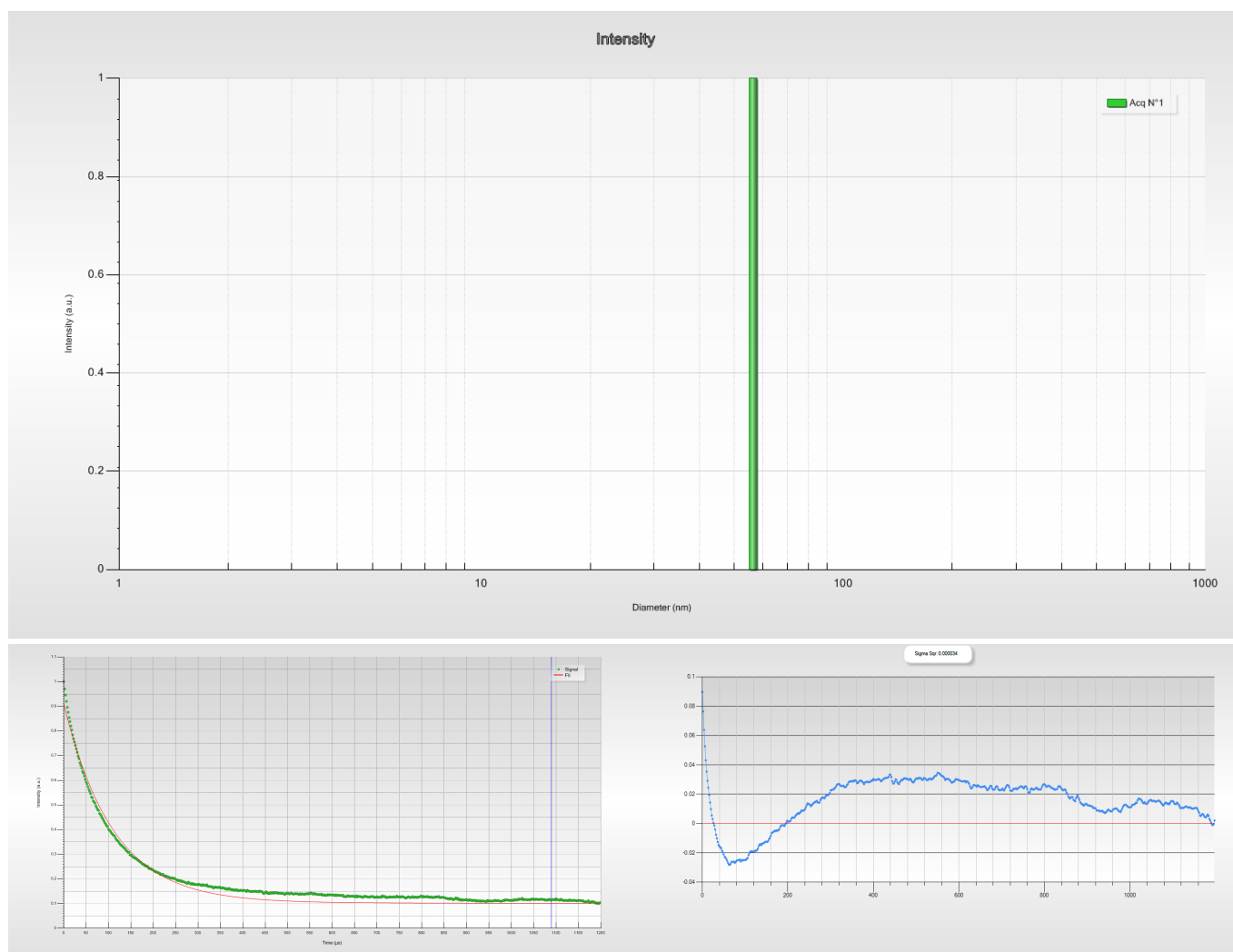
Dv 50%: 38.94 nm

Dv 90%: 59.03 nm

Std Dev: 31.62%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.3	0.84	5736.52	10.85257E-012



Dispersion statistics

Di 10%: 56.36 nm
Mean Intensity: 56.36 nm

Di 50%: 56.36 nm

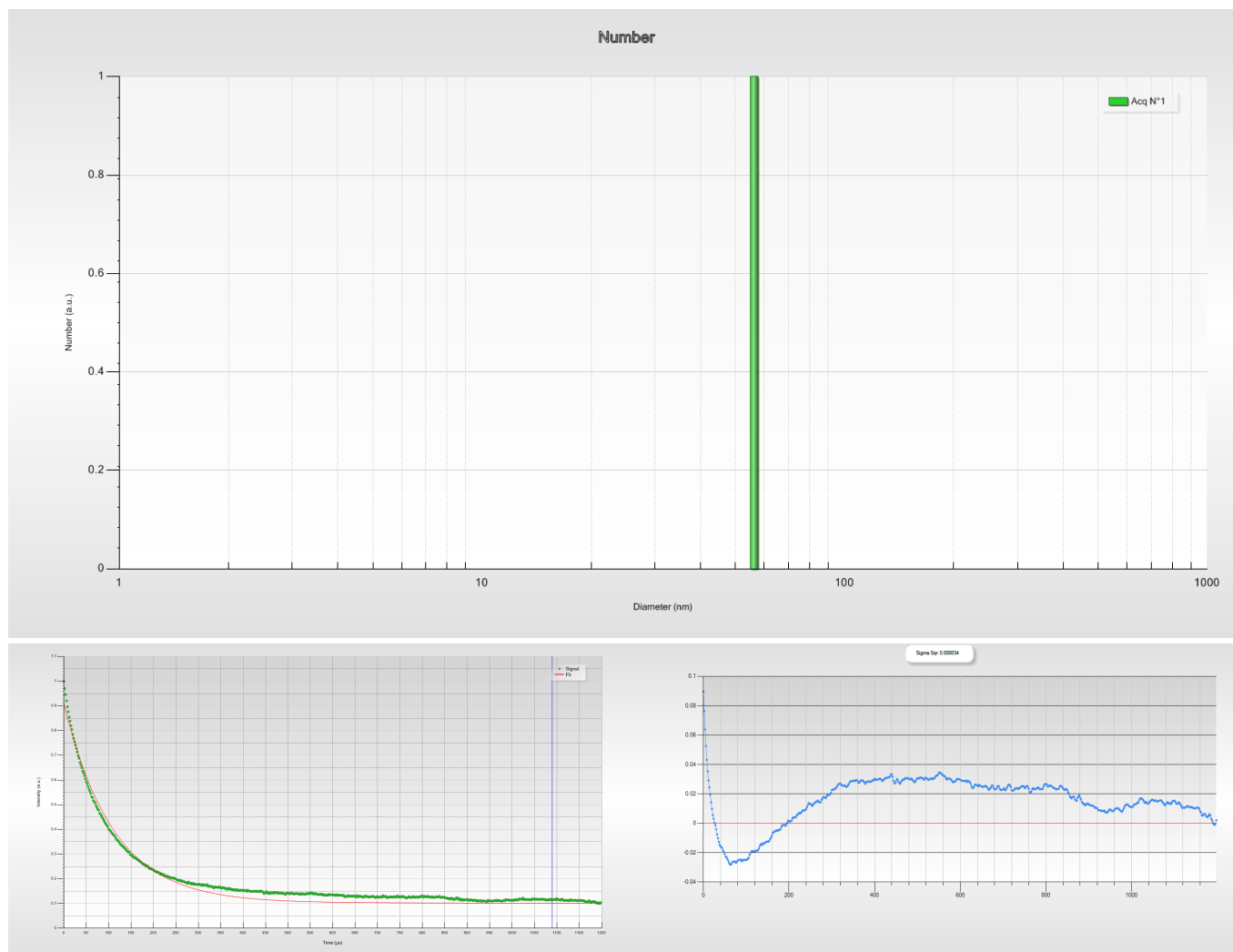
Di 90%: 56.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
57.49	0.9	4528.52	85.67232E-013

Dispersion datas

Size (nm)	Intensity
56.36	1



Dispersion statistics

Dn 10%: 56.36 nm
Mean Number: 56.36 nm

Dn 50%: 56.36 nm

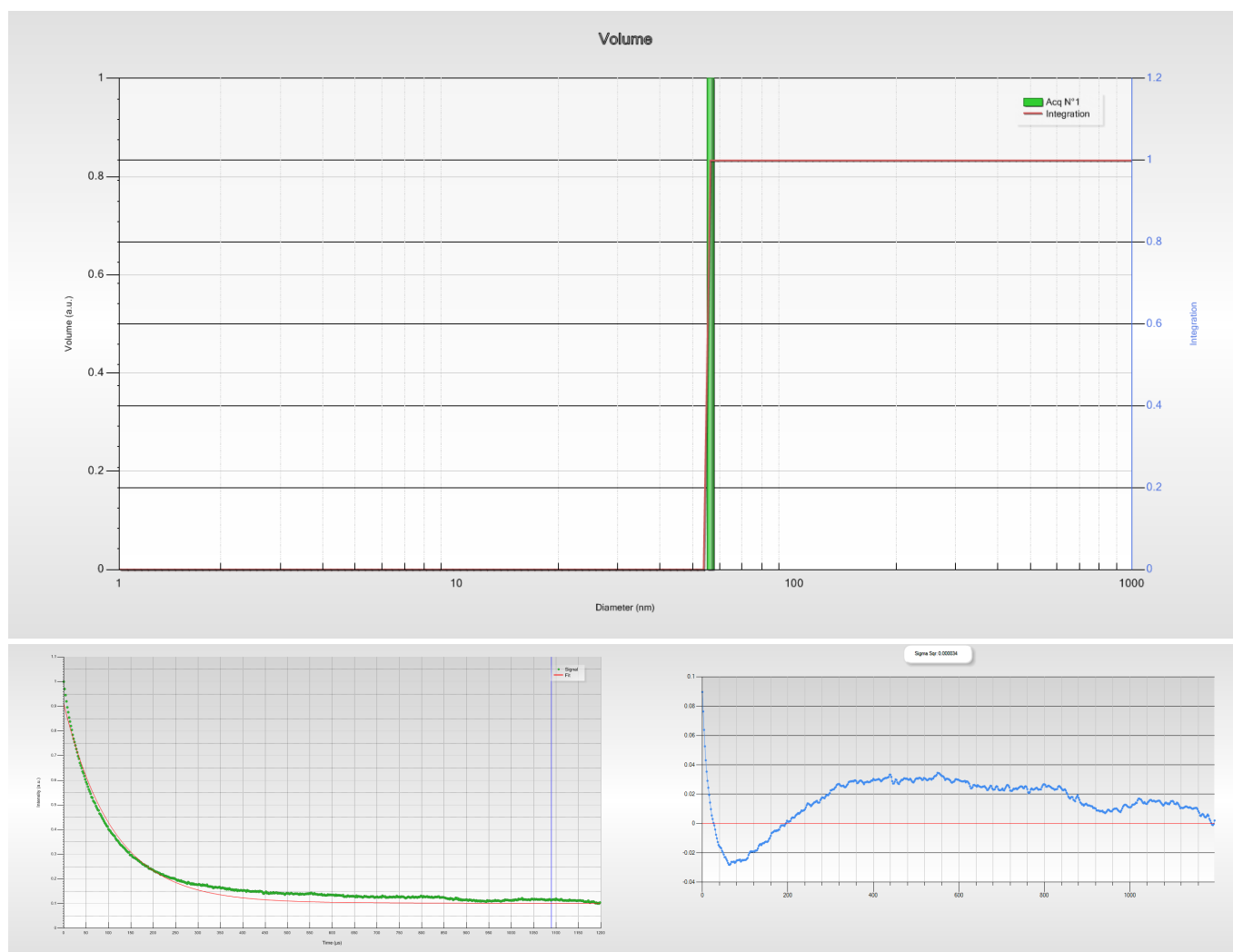
Dn 90%: 56.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
57.49	0.9	4528.52	85.67232E-013

Dispersion datas

Size (nm)	Number
56.36	1



Dispersion statistics

Dv 10%: 56.36 nm
Mean Volume: 56.36 nm

Dv 50%: 56.36 nm

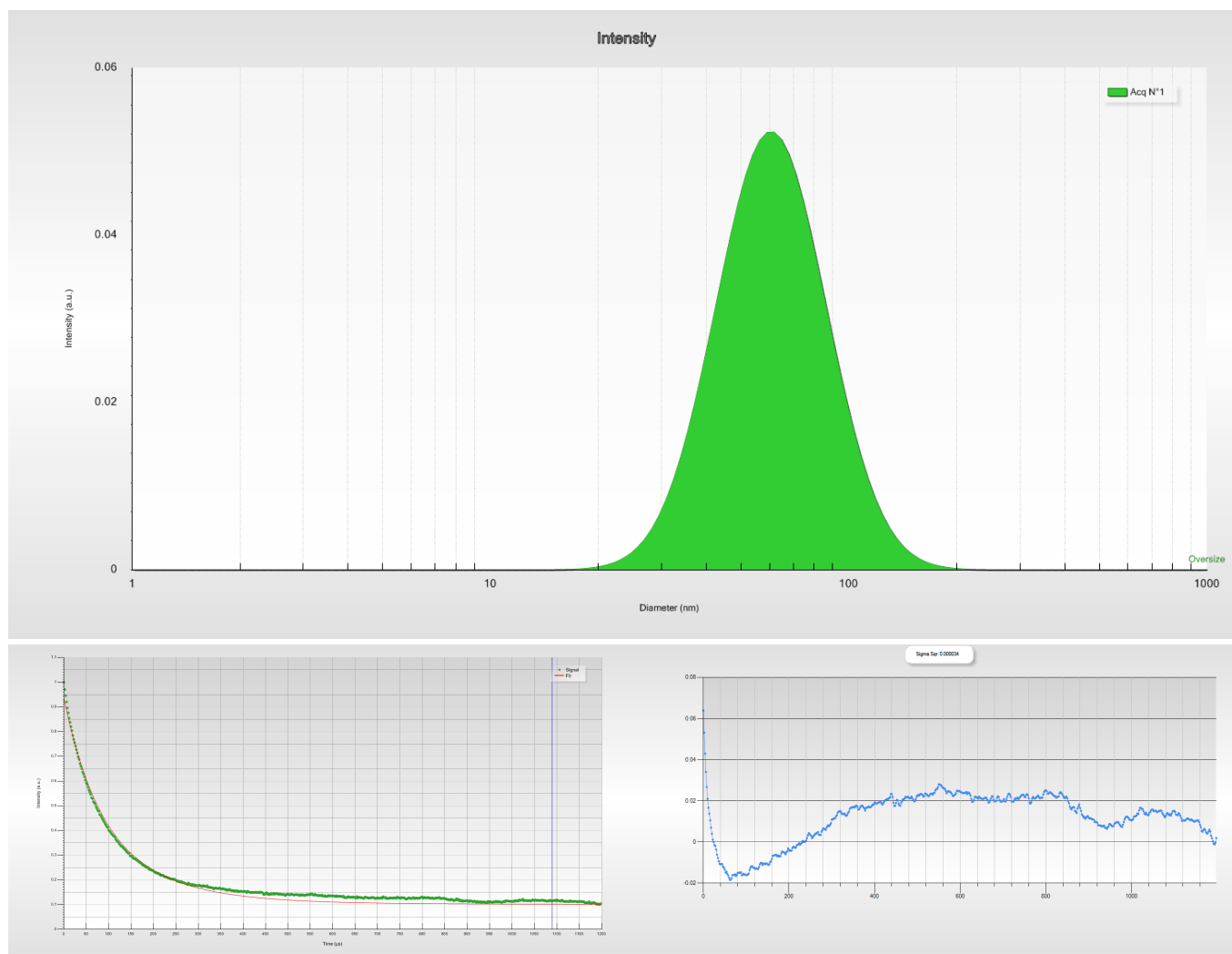
Dv 90%: 56.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
57.49	0.9	4528.52	85.67232E-013

Dispersion datas

Size (nm)	Volume
56.36	1

**Distribution statistics**

Di 10%: 38.94 nm
Mean Intensity: 64.4 nm
PDI : 0.52738

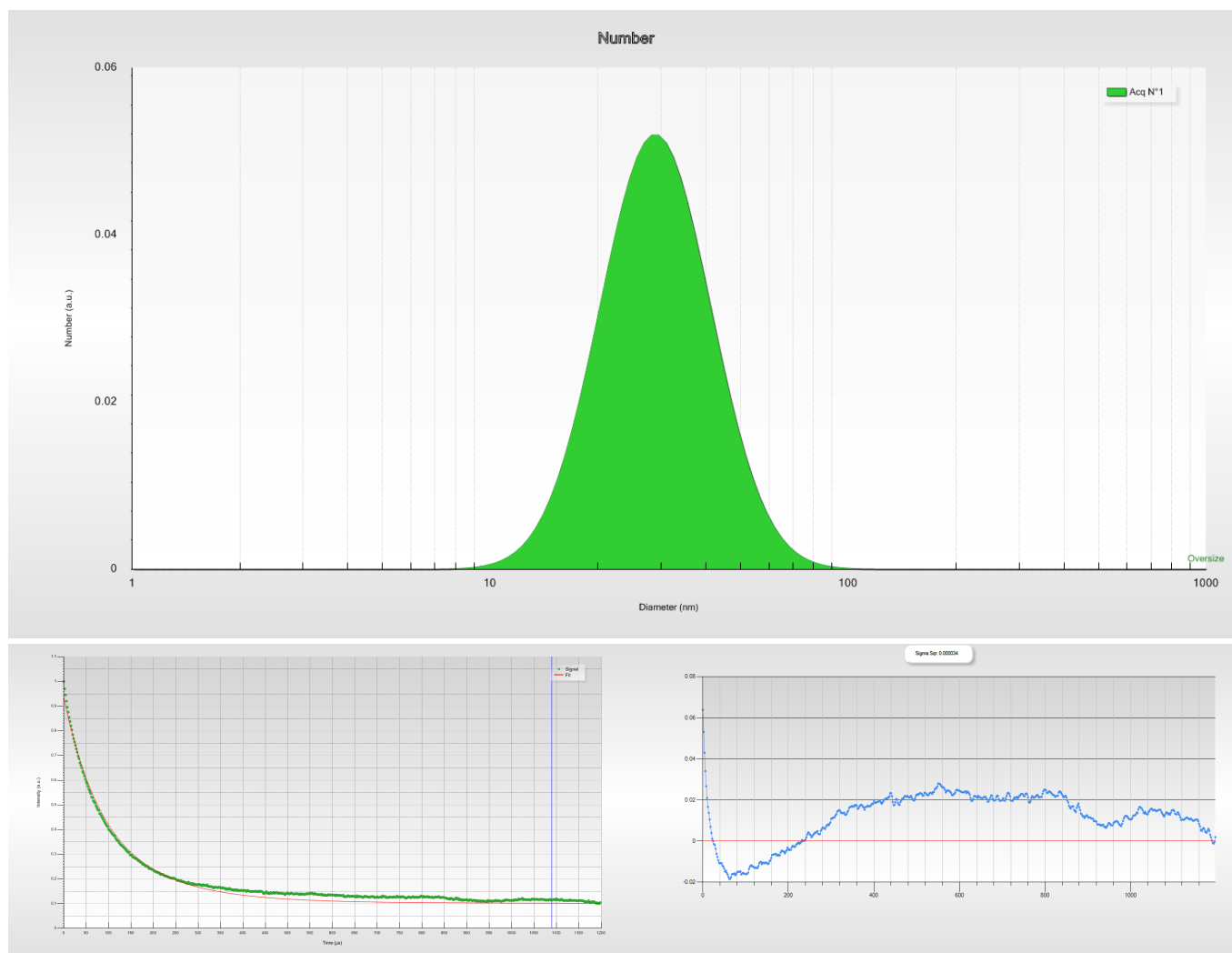
Di 50%: 61.83 nm

Di 90%: 93.73 nm

Std Dev: 36.31%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
50.37	0.83	5168.54	97.78043E-013

**Distribution statistics**

Dn 10%: 18.58 nm
Mean Number: 30.75 nm
PDI : 0.52738

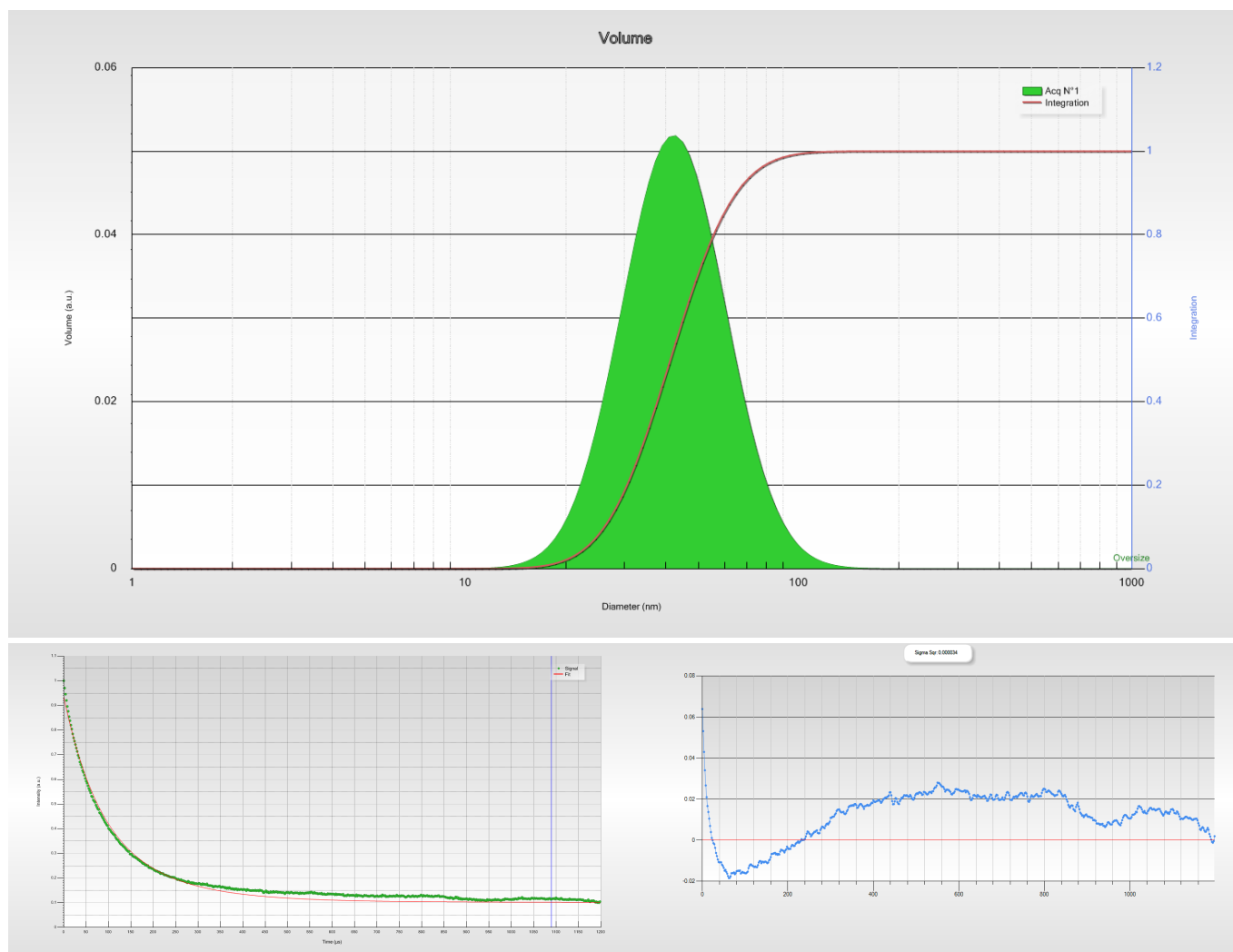
Dn 50%: 29.5 nm

Dn 90%: 44.73 nm

Std Dev: 36.31%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
50.37	0.83	5168.54	97.78043E-013



Distribution statistics

Dv 10%: 26.9 nm
Mean Volume: 44.91 nm
PDI : 0.52738

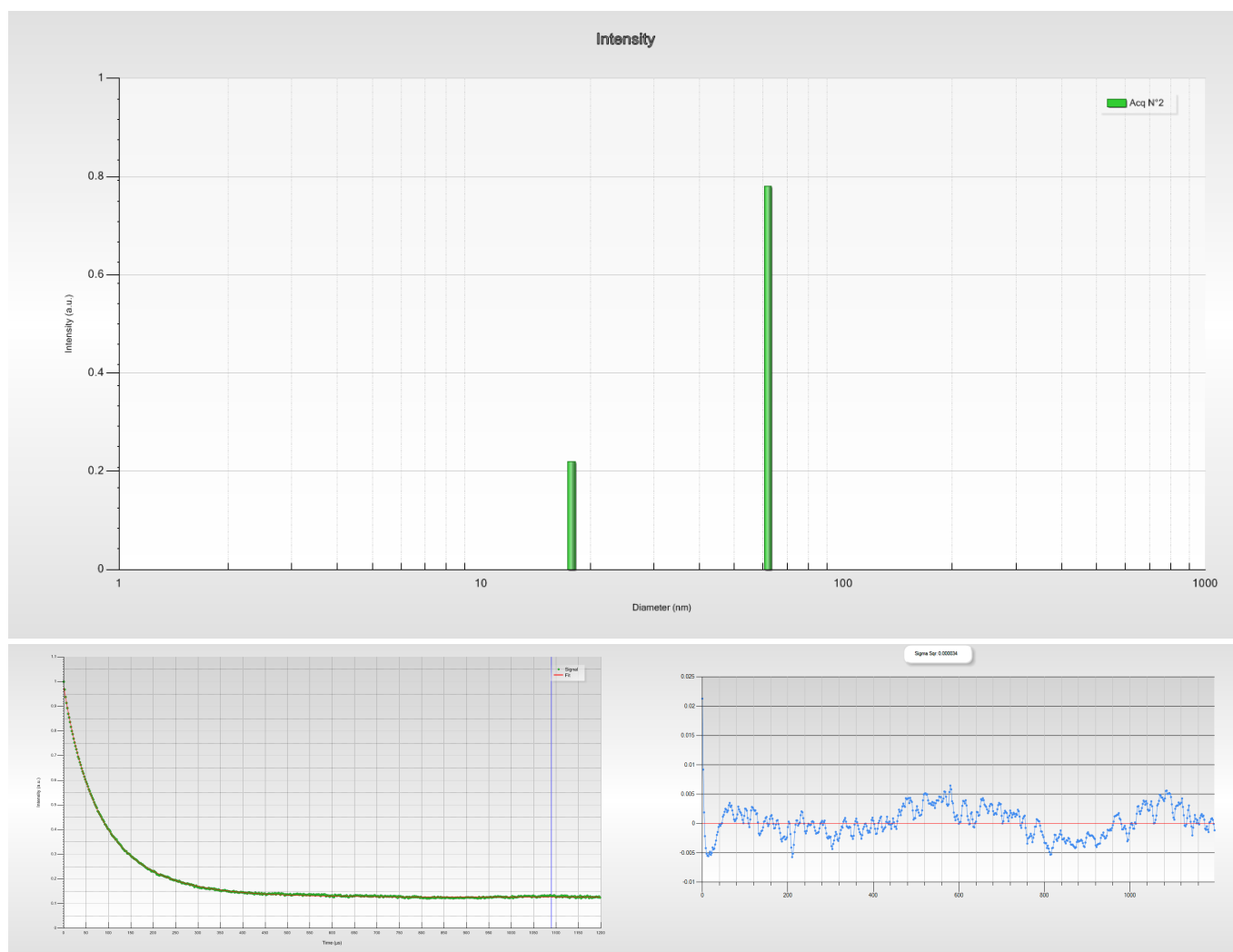
Dv 50%: 42.71 nm

Dv 90%: 67.81 nm

Std Dev: 36.31%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
50.37	0.83	5168.54	97.78043E-013



Dispersion statistics

Di 10%: 17.74 nm
Mean Intensity: 52.13 nm

Di 50%: 61.83 nm

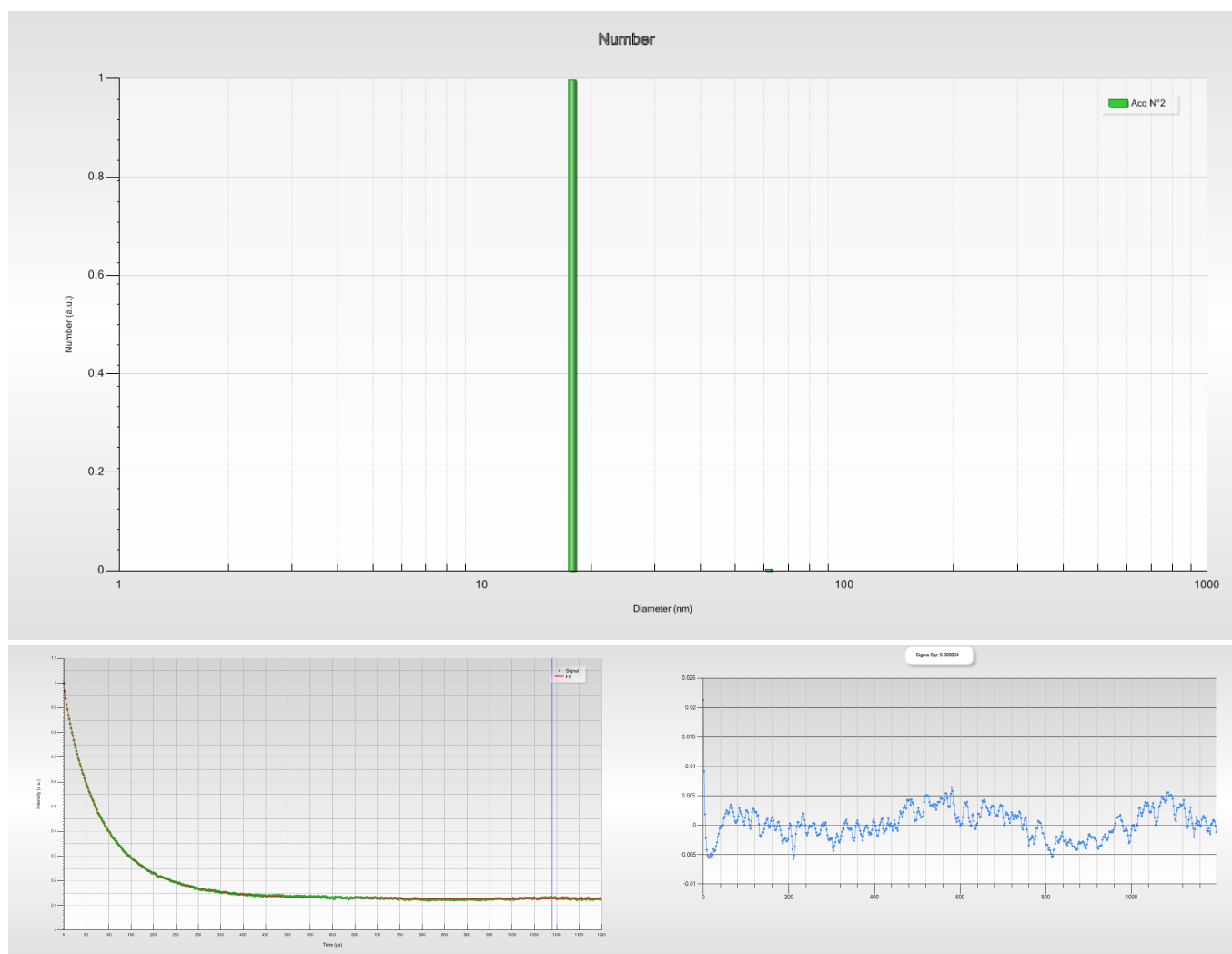
Di 90%: 61.83 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
17.85	0.2	14586.67	27.59562E-012
62.6	0.72	4159.03	78.68205E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
17.74	0.22	61.83	0.78



Dispersion statistics

Dn 10%: 17.74 nm
Mean Number: 17.83 nm

Dn 50%: 17.74 nm

Dn 90%: 17.74 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
17.85	0.2	14586.67	27.59562E-012
62.6	0.72	4159.03	78.68205E-013

Dispersion datas

Size (nm)	Number
17.74	1



Dispersion statistics

Dv 10%: 17.74 nm
Mean Volume: 21.28 nm

Dv 50%: 17.74 nm

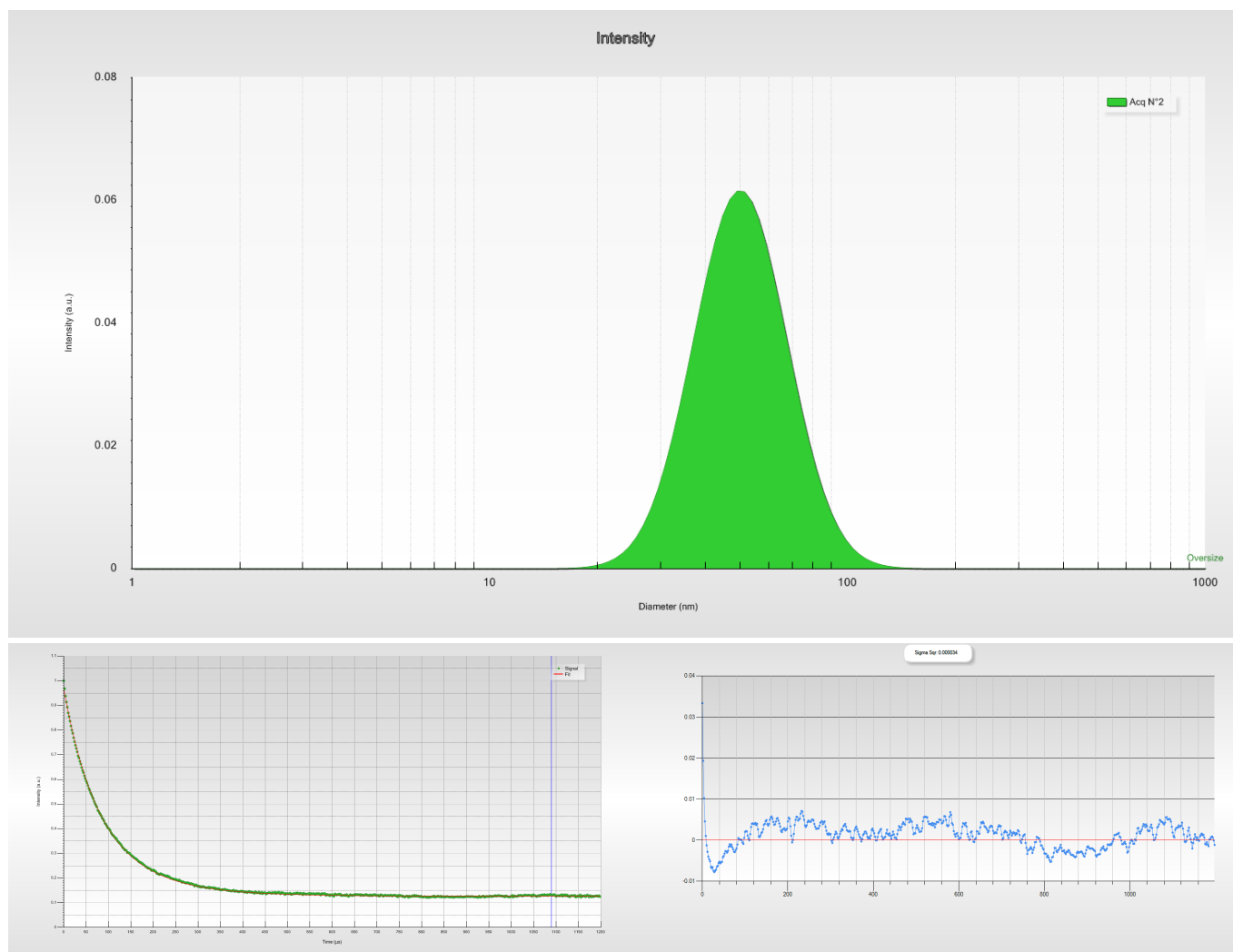
Dv 90%: 17.74 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
17.85	0.2	14586.67	27.59562E-012
62.6	0.72	4159.03	78.68205E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
17.74	0.92	61.83	0.08



Distribution statistics

Di 10%: 33.89 nm
Mean Intensity: 52.33 nm
PDI : 0.37471

Di 50%: 49.06 nm

Di 90%: 74.39 nm

Std Dev: 30.61%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
43.83	0.84	5939.53	11.23664E-012



Distribution statistics

Dn 10%: 19.46 nm
Mean Number: 30.66 nm
PDI : 0.37471

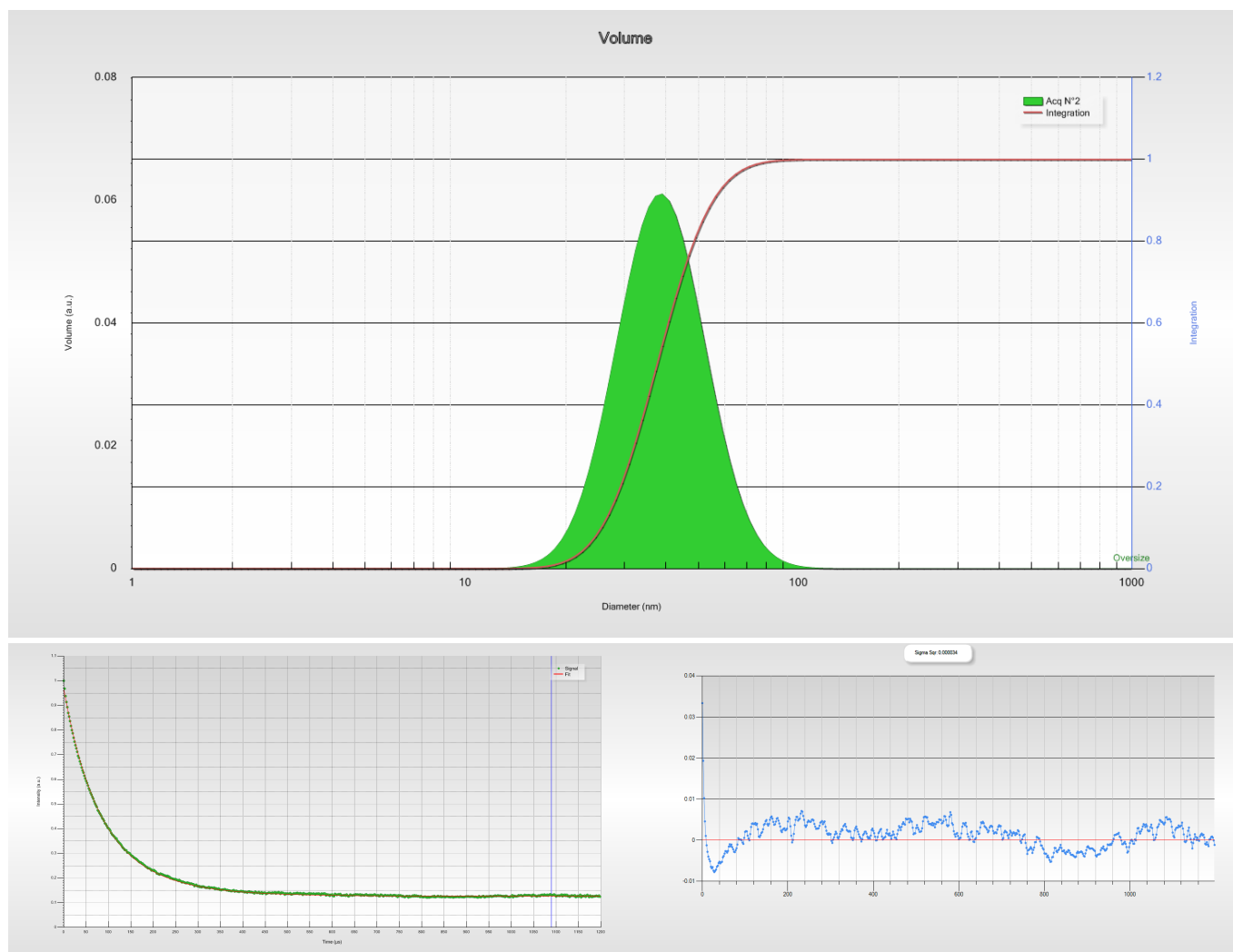
Dn 50%: 29.5 nm

Dn 90%: 42.71 nm

Std Dev: 30.61%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
43.83	0.84	5939.53	11.23664E-012



Distribution statistics

Dv 10%: 25.68 nm
Mean Volume: 40.31 nm
PDI : 0.37471

Dv 50%: 38.94 nm

Dv 90%: 56.36 nm

Std Dev: 30.61%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
43.83	0.84	5939.53	11.23664E-012



Dispersion statistics

Di 10%: 26.9 nm

Di 50%: 26.9 nm

Di 90%: 129.55 nm

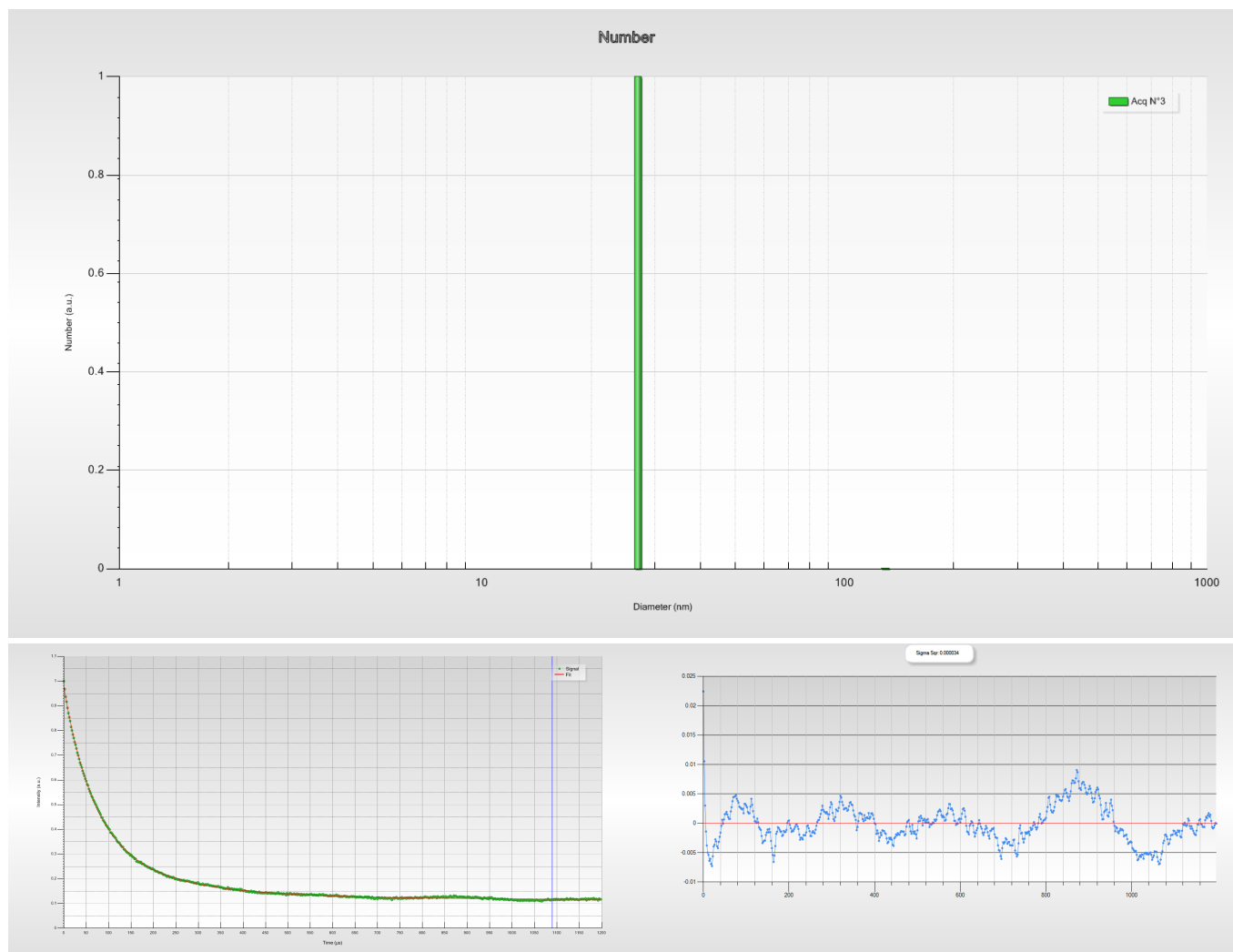
Mean Intensity: 72.17 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
27.2	0.52	9569.87	18.10464E-012
126.94	0.41	2050.79	38.7977E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
26.9	0.56	129.55	0.44



Dispersion statistics

Dn 10%: 26.9 nm
Mean Number: 26.91 nm

Dn 50%: 26.9 nm

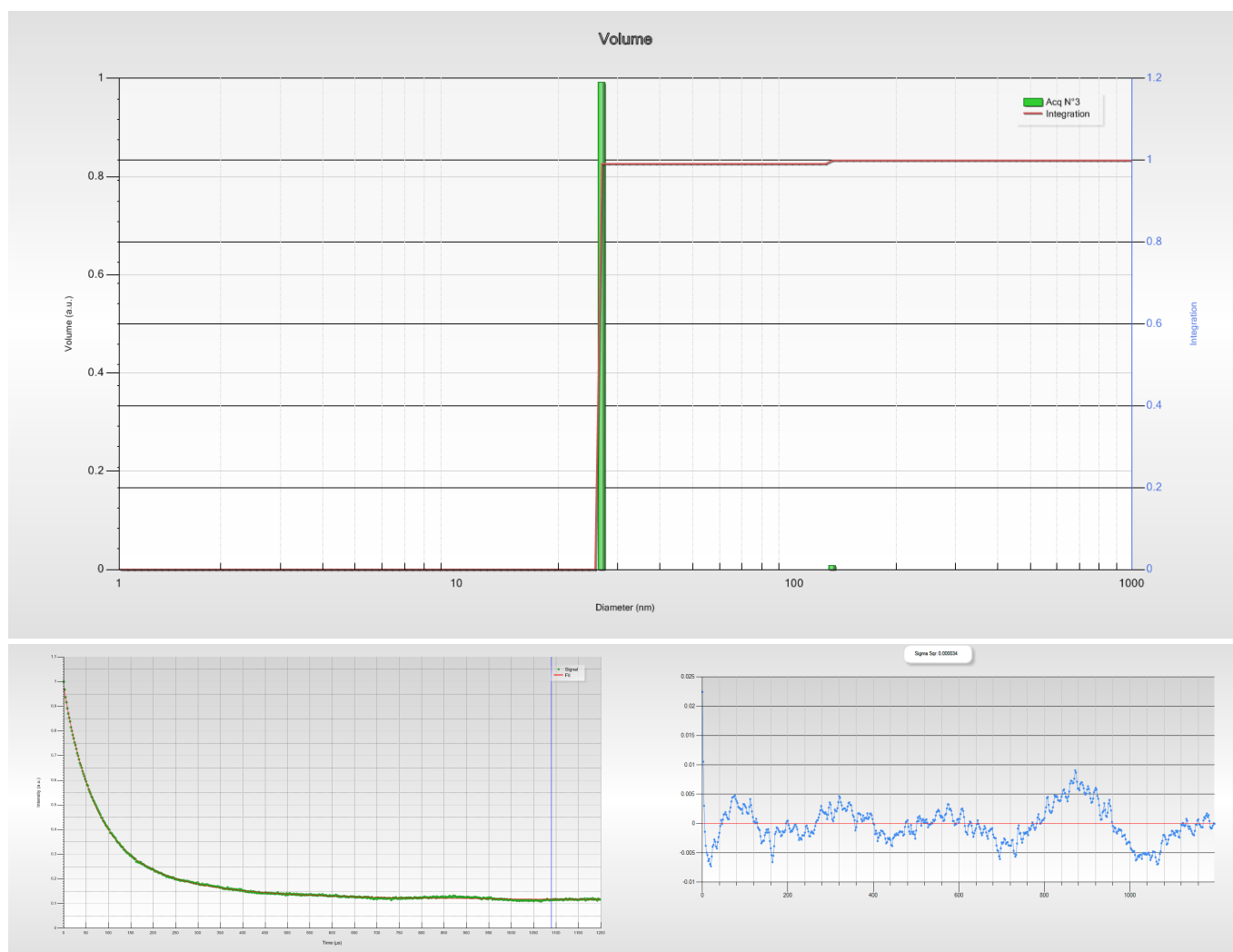
Dn 90%: 26.9 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
27.2	0.52	9569.87	18.10464E-012
126.94	0.41	2050.79	38.7977E-013

Dispersion datas

Size (nm)	Number
26.9	1



Dispersion statistics

Dv 10%: 26.9 nm
Mean Volume: 27.77 nm

Dv 50%: 26.9 nm

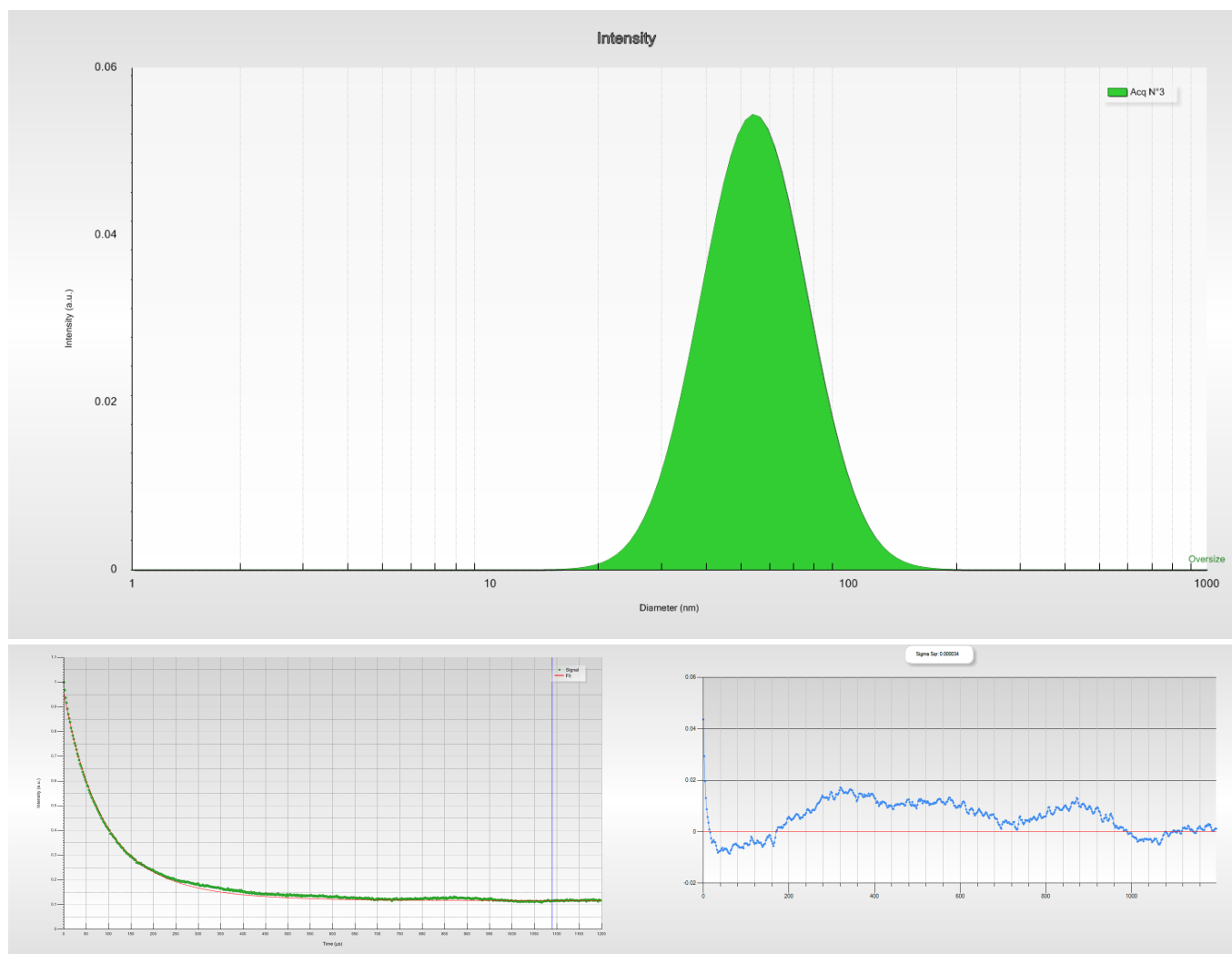
Dv 90%: 26.9 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
27.2	0.52	9569.87	18.10464E-012
126.94	0.41	2050.79	38.7977E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
26.9	0.99	129.55	0.01

**Distribution statistics**

Di 10%: 35.5 nm
Mean Intensity: 57.53 nm
PDI : 0.48636

Di 50%: 53.82 nm

Di 90%: 85.45 nm

Std Dev: 34.87%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.82	0.84	5681.65	10.74876E-012

**Distribution statistics**

Dn 10%: 17.74 nm
Mean Number: 28.99 nm
PDI : 0.48636

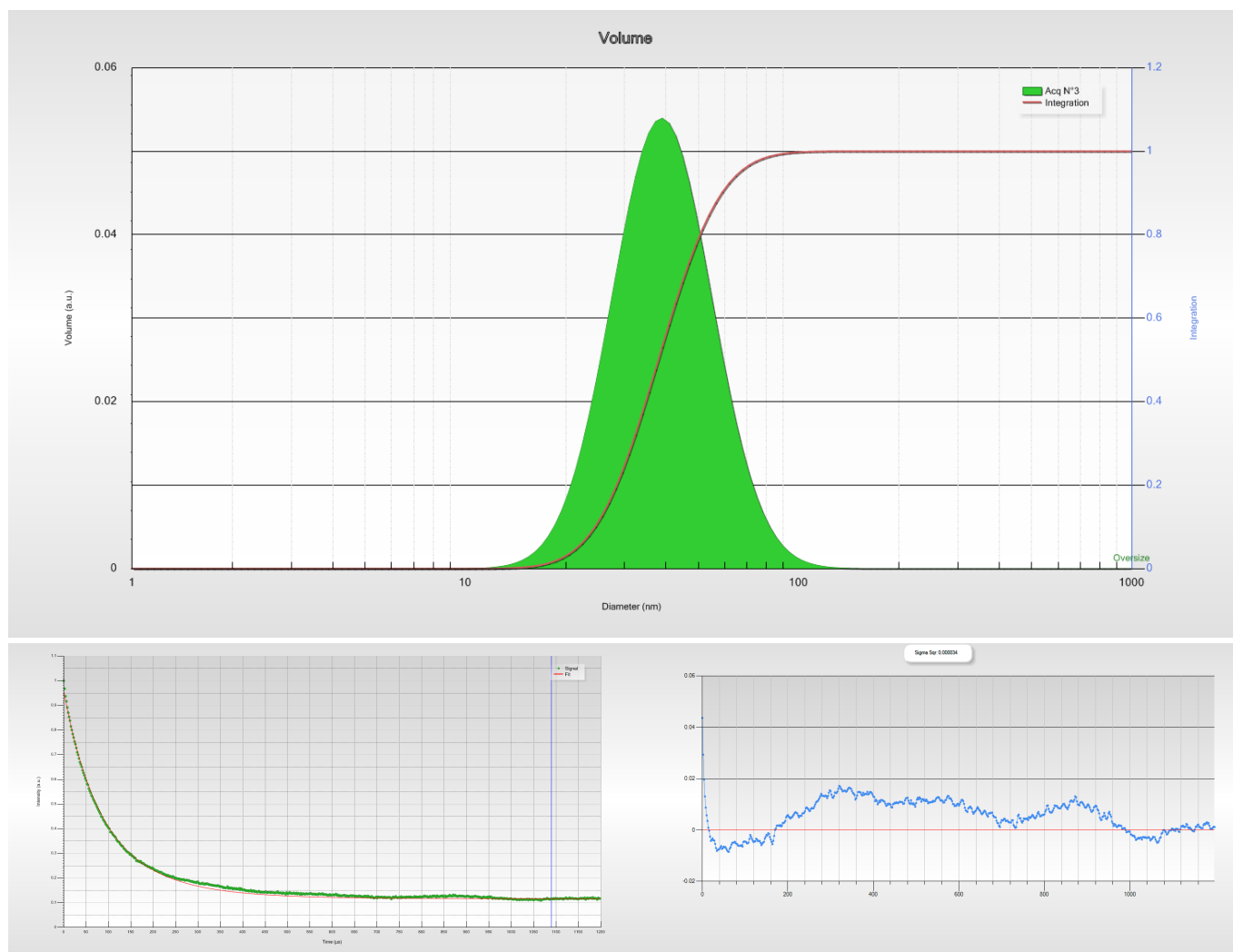
Dn 50%: 26.9 nm

Dn 90%: 42.71 nm

Std Dev: 34.87%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.82	0.84	5681.65	10.74876E-012

**Distribution statistics**

Dv 10%: 24.52 nm
Mean Volume: 41.16 nm
PDI : 0.48636

Dv 50%: 38.94 nm

Dv 90%: 59.03 nm

Std Dev: 34.87%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.82	0.84	5681.65	10.74876E-012



Dispersion statistics

Di 10%: 25.68 nm
Mean Intensity: 60.21 nm

Di 50%: 81.59 nm

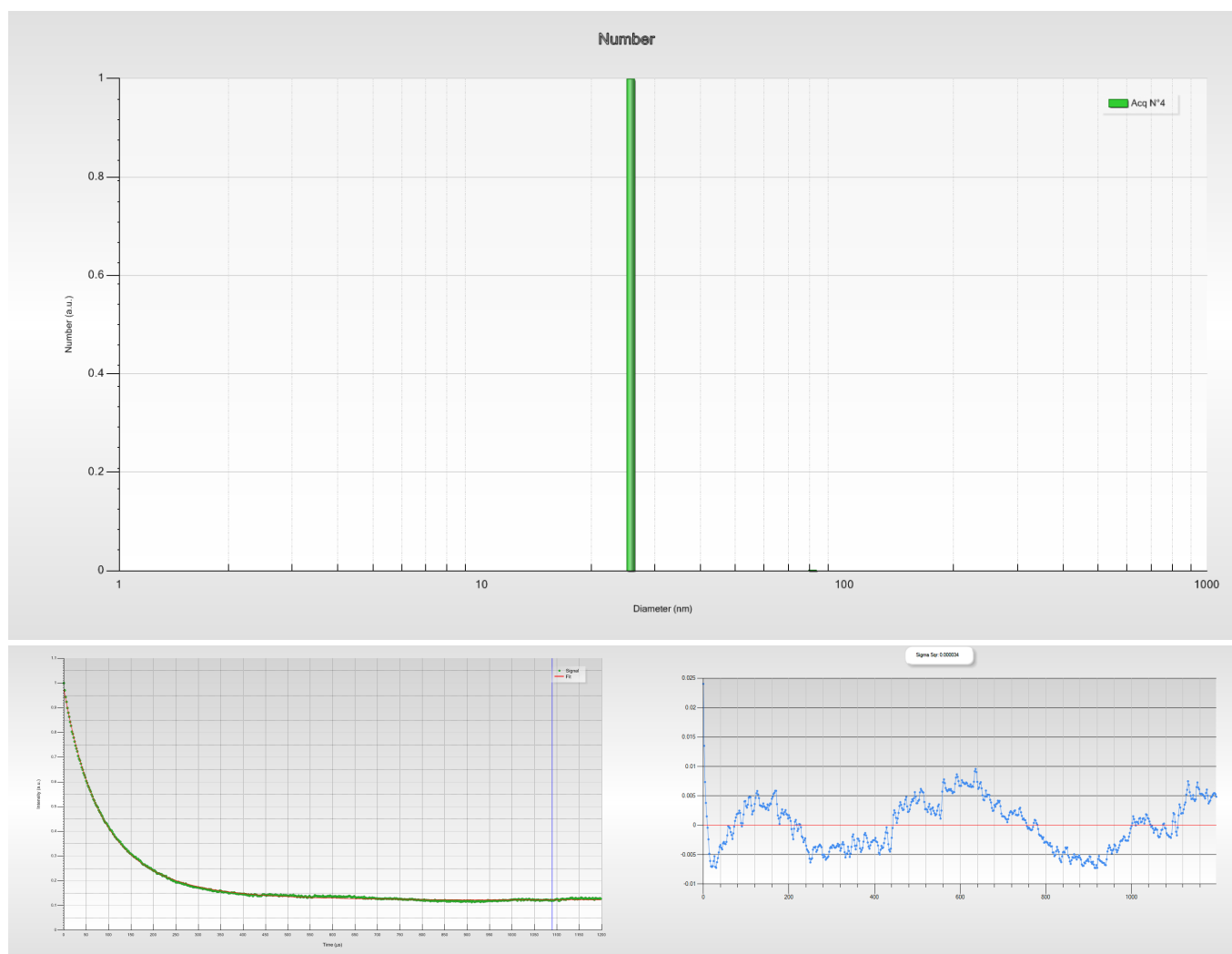
Di 90%: 81.59 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
25.52	0.35	10200.92	19.29849E-012
80.13	0.57	3248.81	61.46214E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
25.68	0.38	81.59	0.62



Dispersion statistics

Dn 10%: 25.68 nm
Mean Number: 25.78 nm

Dn 50%: 25.68 nm

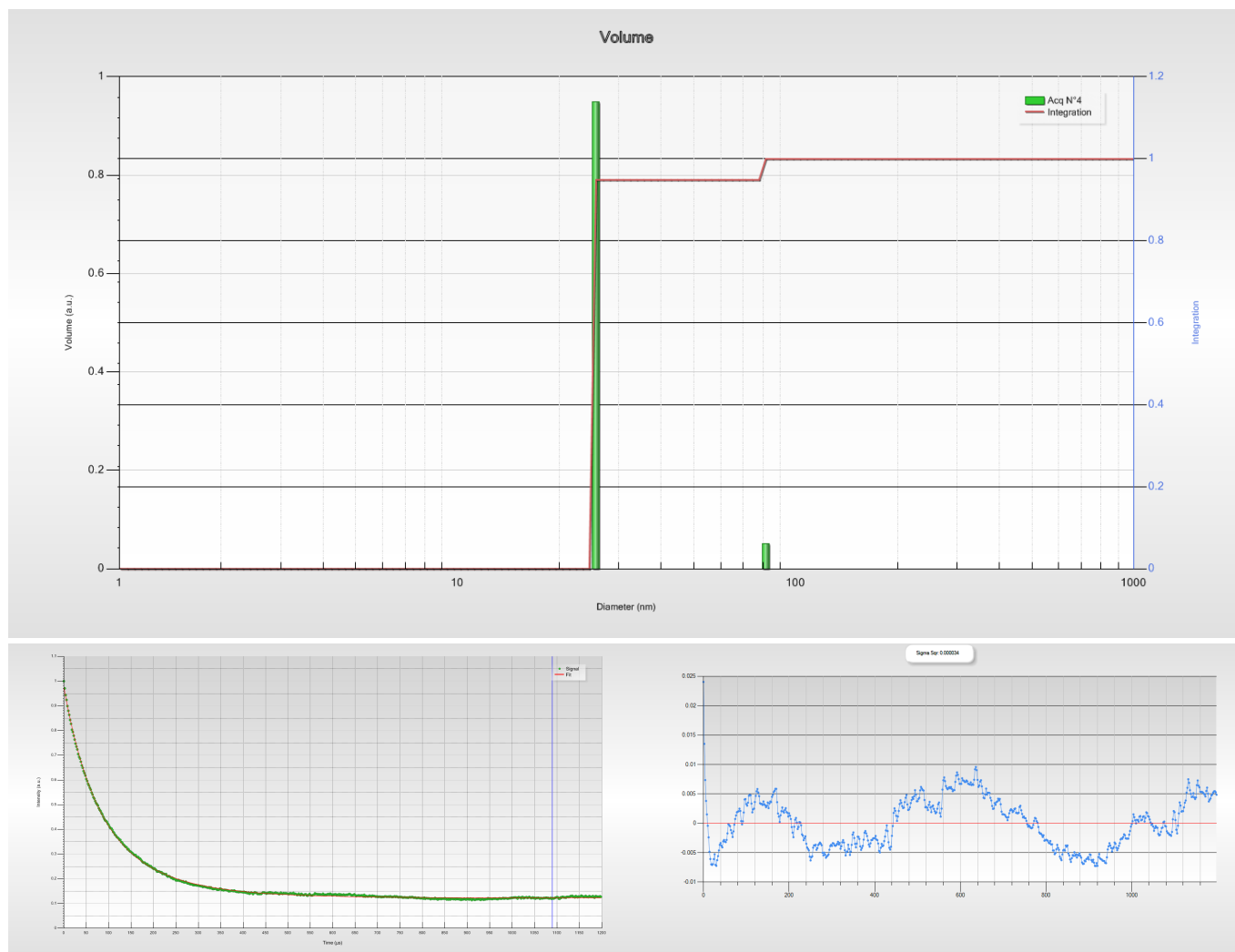
Dn 90%: 25.68 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
25.52	0.35	10200.92	19.29849E-012
80.13	0.57	3248.81	61.46214E-013

Dispersion datas

Size (nm)	Number
25.68	1



Dispersion statistics

Dv 10%: 25.68 nm
Mean Volume: 28.54 nm

Dv 50%: 25.68 nm

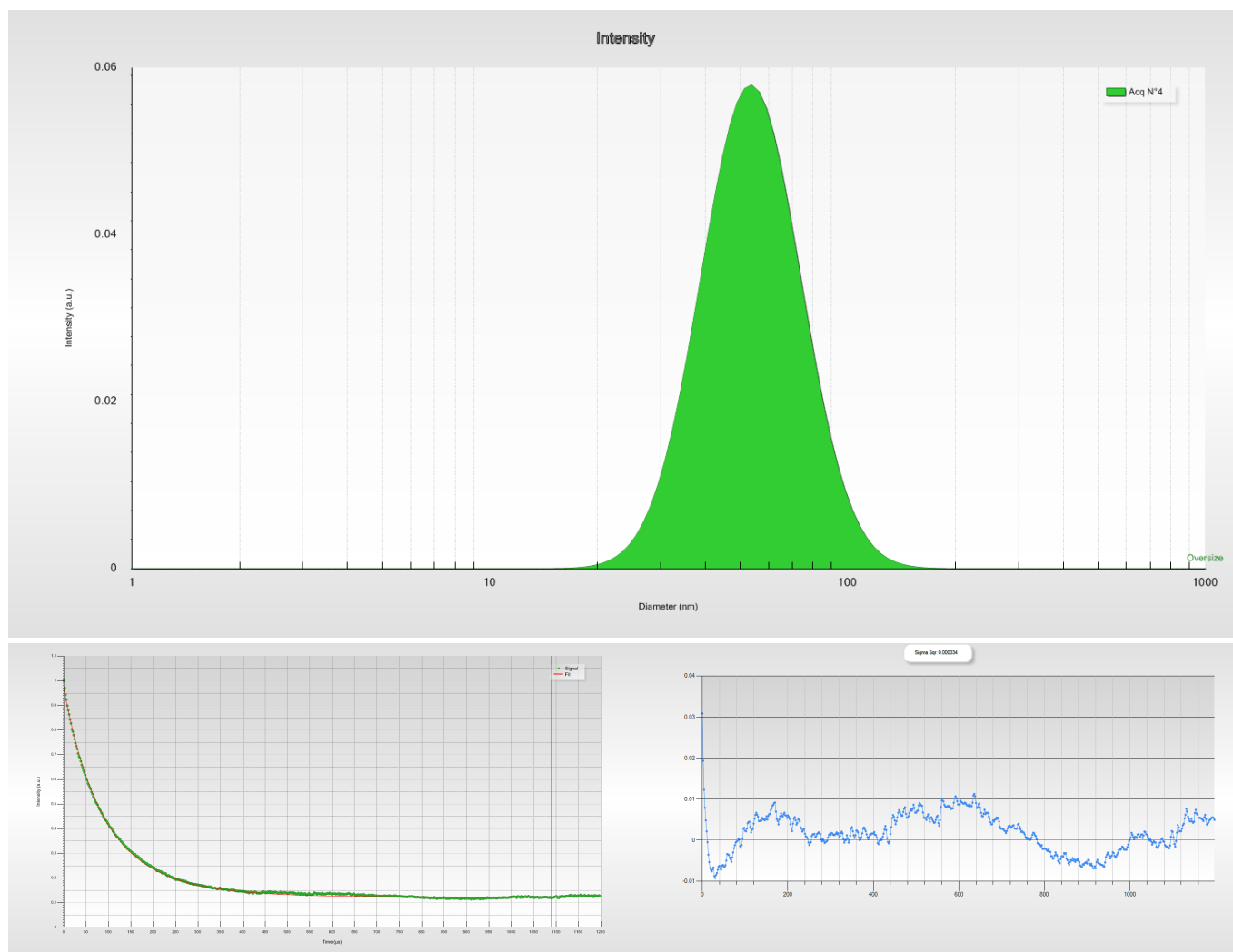
Dv 90%: 25.68 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
25.52	0.35	10200.92	19.29849E-012
80.13	0.57	3248.81	61.46214E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
25.68	0.95	81.59	0.05



Distribution statistics

Di 10%: 35.5 nm
Mean Intensity: 56.27 nm
PDI : 0.4265

Di 50%: 53.82 nm

Di 90%: 81.59 nm

Std Dev: 32.65%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
46.04	0.85	5654.57	10.69754E-012

**Distribution statistics**

Dn 10%: 19.46 nm
Mean Number: 30.74 nm
PDI : 0.4265

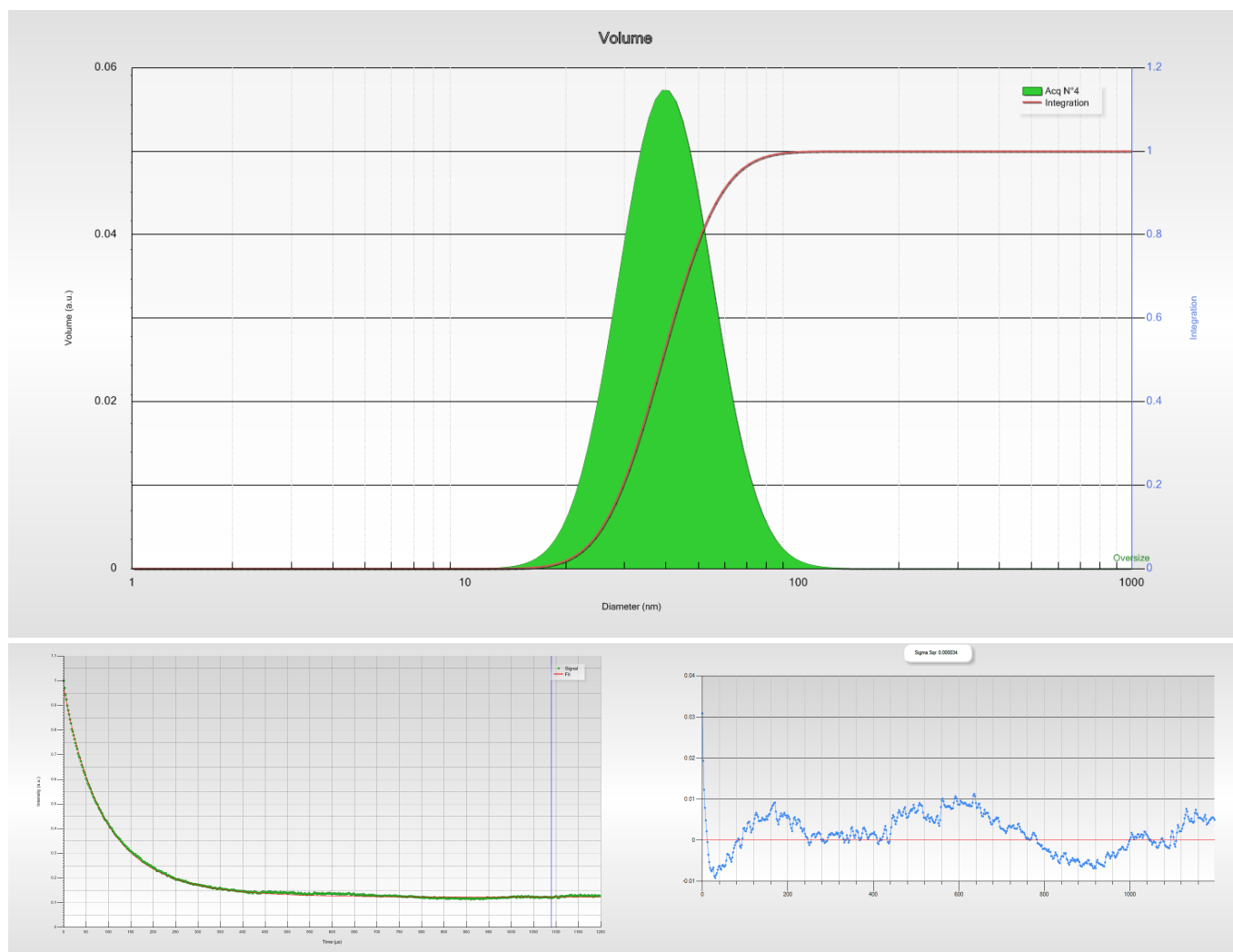
Dn 50%: 29.5 nm

Dn 90%: 44.73 nm

Std Dev: 32.65%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
46.04	0.85	5654.57	10.69754E-012



Distribution statistics

Dv 10%: 26.9 nm
Mean Volume: 41.89 nm
PDI : 0.4265

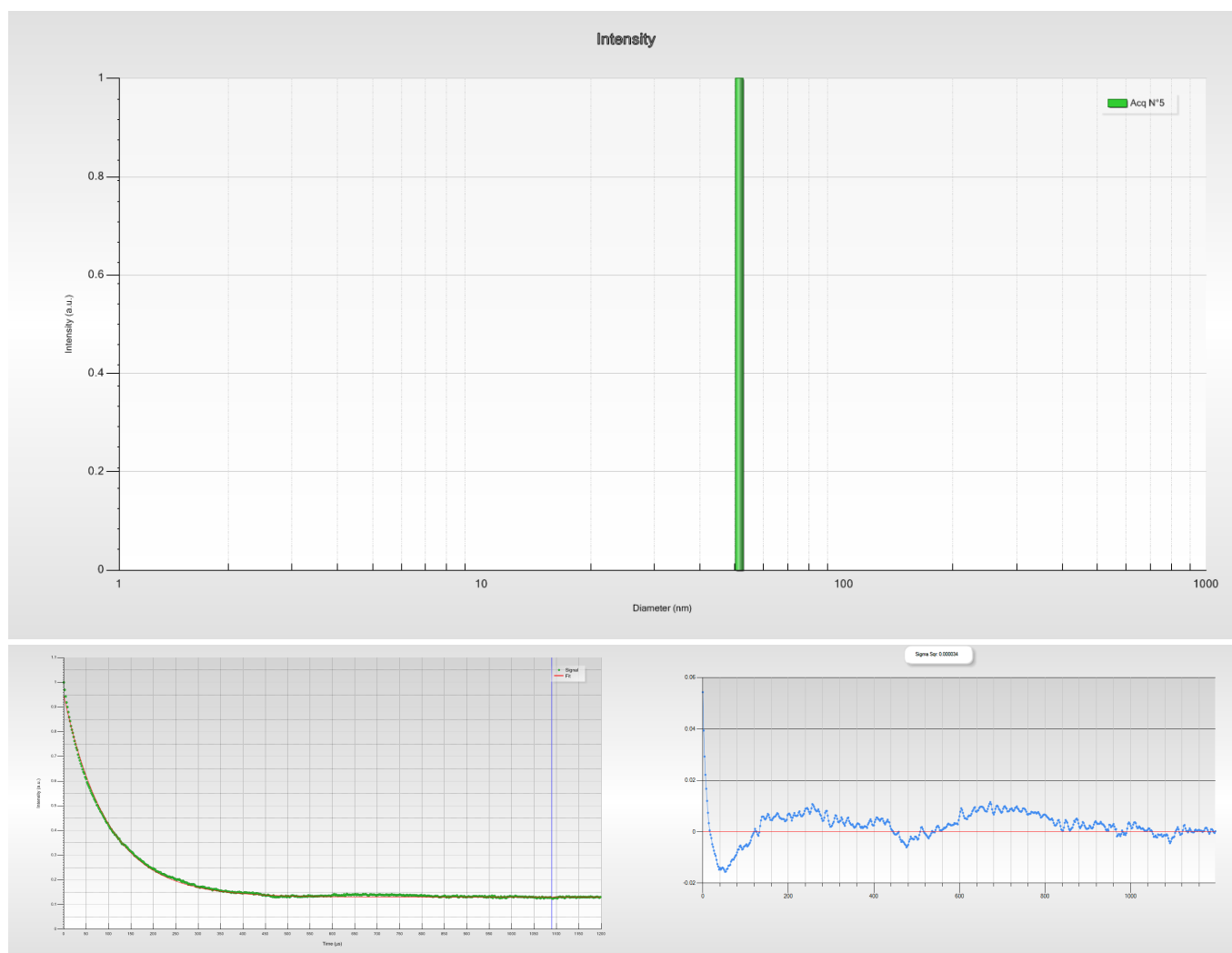
Dv 50%: 38.94 nm

Dv 90%: 59.03 nm

Std Dev: 32.65%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
46.04	0.85	5654.57	10.69754E-012



Dispersion statistics

Di 10%: 51.39 nm
Mean Intensity: 51.39 nm

Di 50%: 51.39 nm

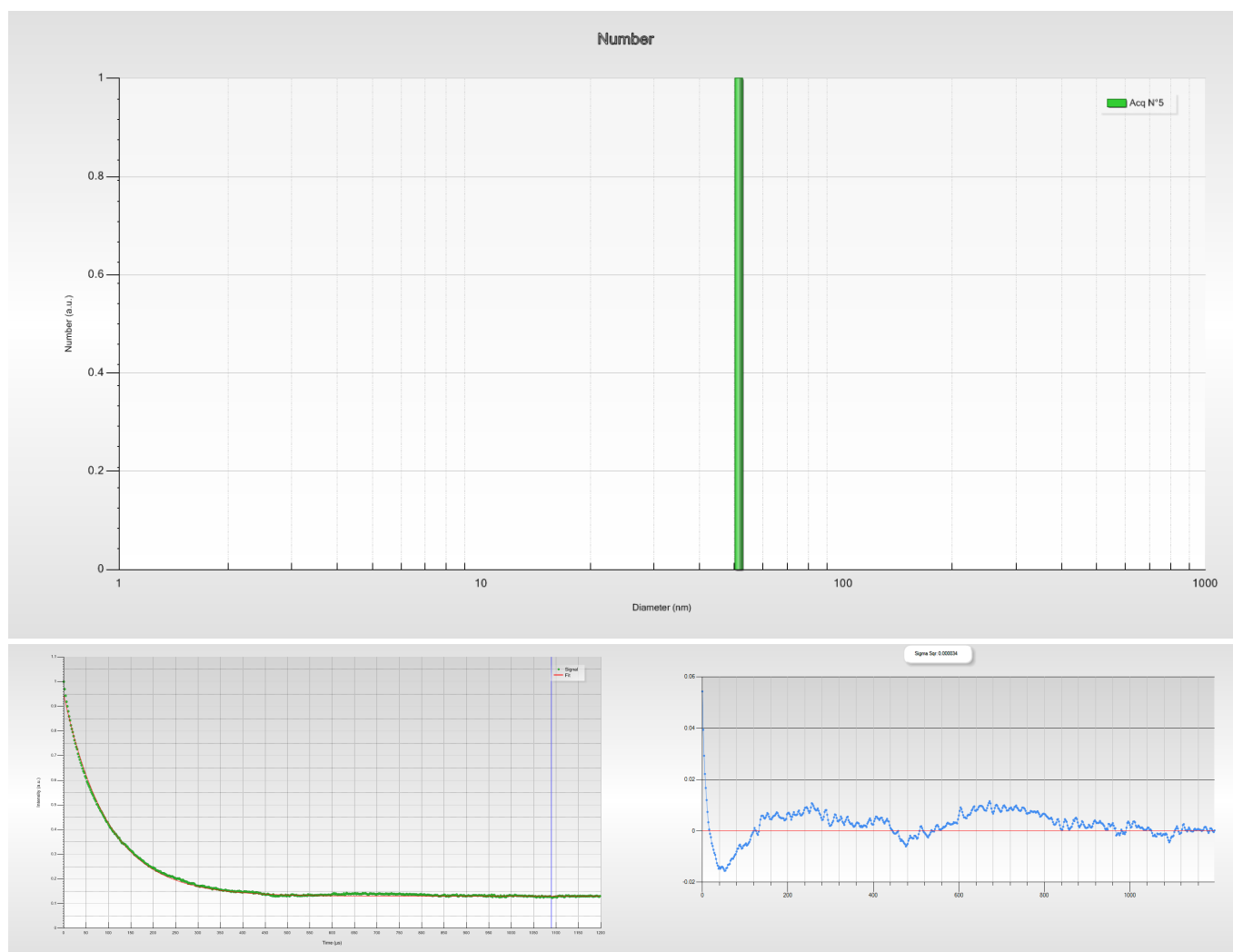
Di 90%: 51.39 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
51.39	0.9	5054.94	95.63126E-013

Dispersion datas

Size (nm)	Intensity
51.39	1



Dispersion statistics

Dn 10%: 51.39 nm
Mean Number: 51.39 nm

Dn 50%: 51.39 nm

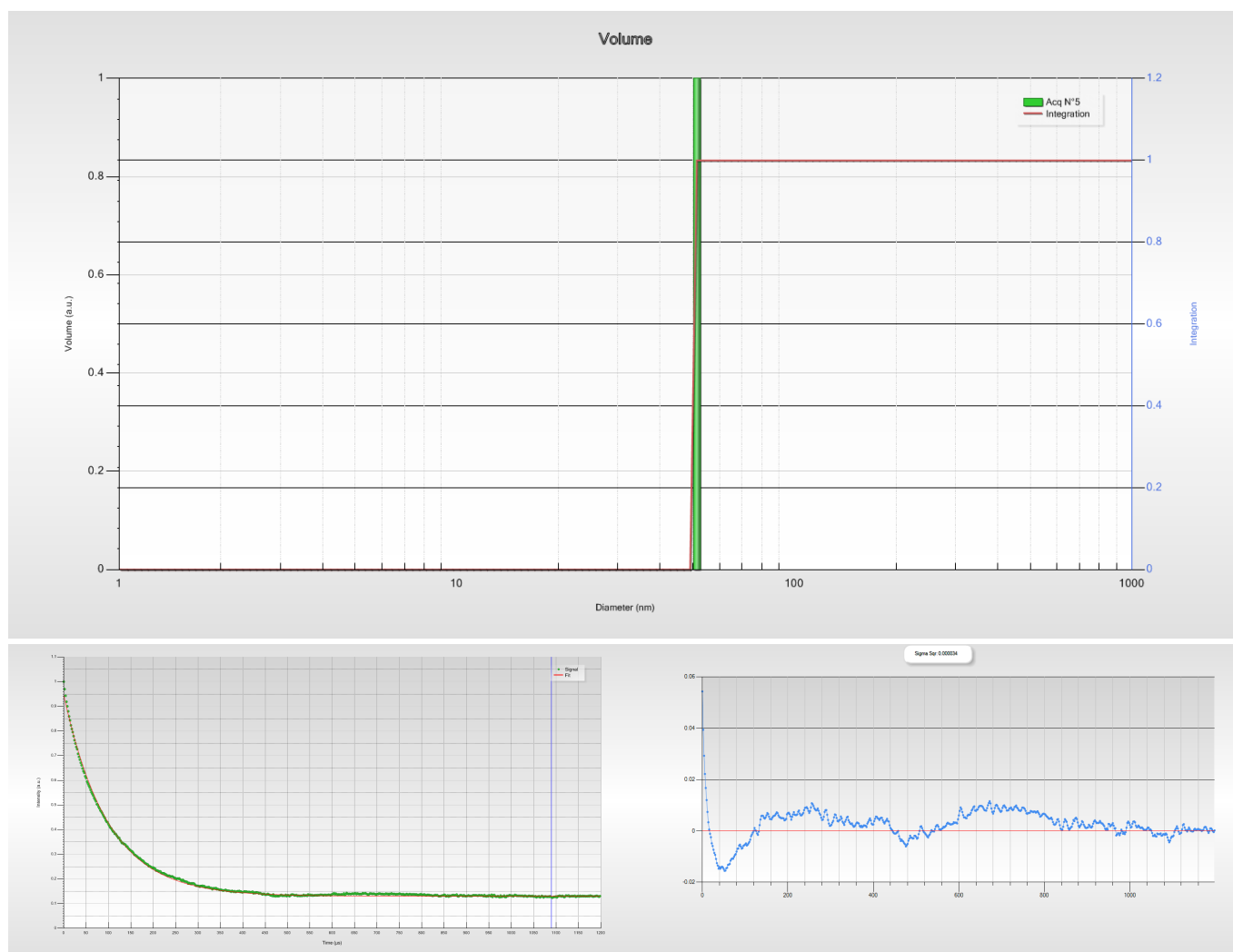
Dn 90%: 51.39 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
51.39	0.9	5054.94	95.63126E-013

Dispersion datas

Size (nm)	Number
51.39	1



Dispersion statistics

Dv 10%: 51.39 nm
Mean Volume: 51.39 nm

Dv 50%: 51.39 nm

Dv 90%: 51.39 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
51.39	0.9	5054.94	95.63126E-013

Dispersion datas

Size (nm)	Volume
51.39	1

**Distribution statistics**

Di 10%: 35.5 nm
Mean Intensity: 55.48 nm
PDI : 0.38912

Di 50%: 53.82 nm

Di 90%: 77.91 nm

Std Dev: 31.19%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
46.07	0.84	5638.6	10.66731E-012

**Distribution statistics**

Dn 10%: 20.38 nm
Mean Number: 31.89 nm
PDI : 0.38912

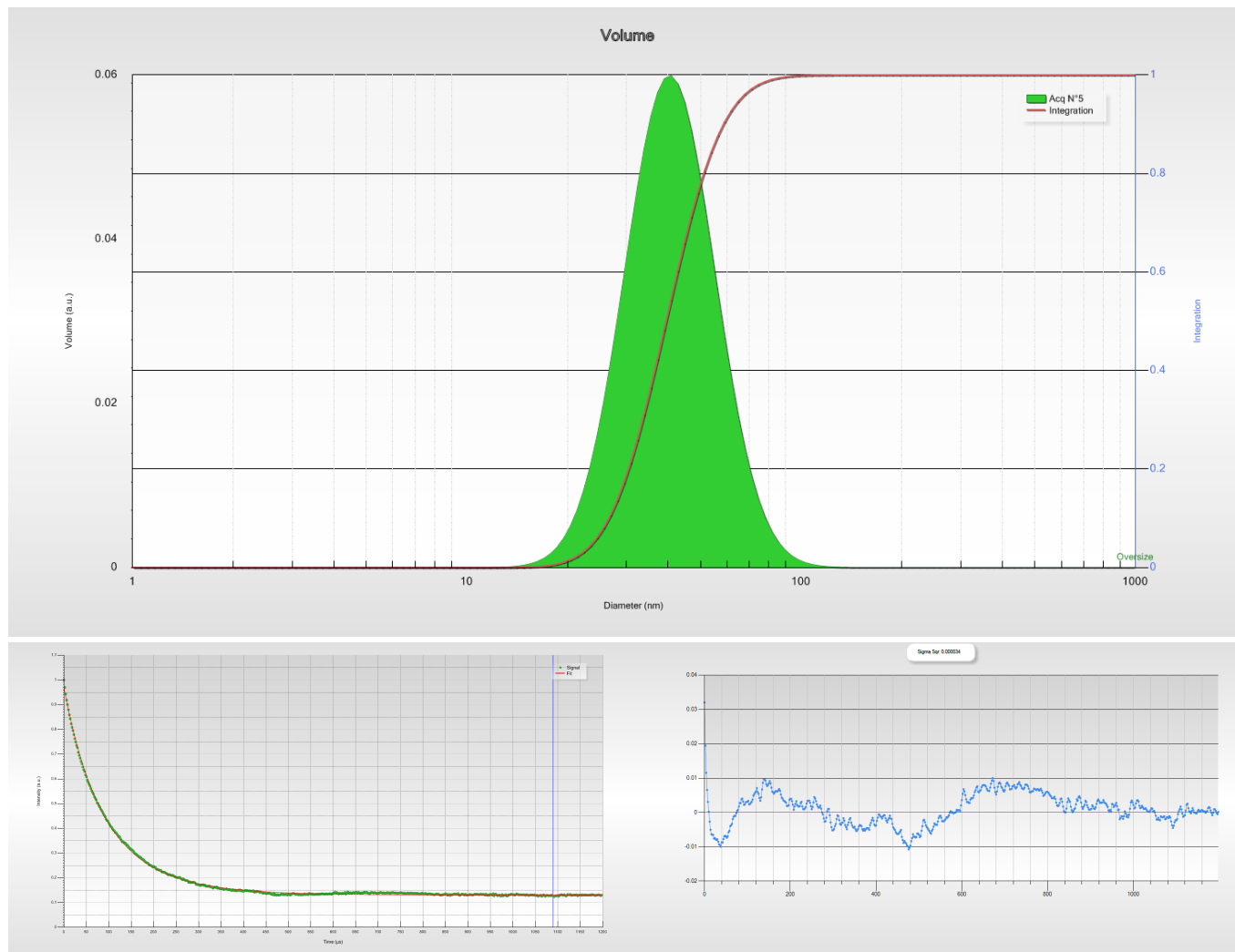
Dn 50%: 30.9 nm

Dn 90%: 44.73 nm

Std Dev: 31.19%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
46.07	0.84	5638.6	10.66731E-012



Distribution statistics

Dv 10%: 26.9 nm
Mean Volume: 42.35 nm
PDI : 0.38912

Dv 50%: 40.78 nm

Dv 90%: 59.03 nm

Std Dev: 31.19%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
46.07	0.84	5638.6	10.66731E-012