

Sample

Name : testt
Mesured On : 11.04.2016 15:10
by : admin **logged as** : Admin
Comments from admin :

SOP

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

Device Settings

Time interval	: 2 μ s	Number of channels	: 300
Laser power	: 0 %	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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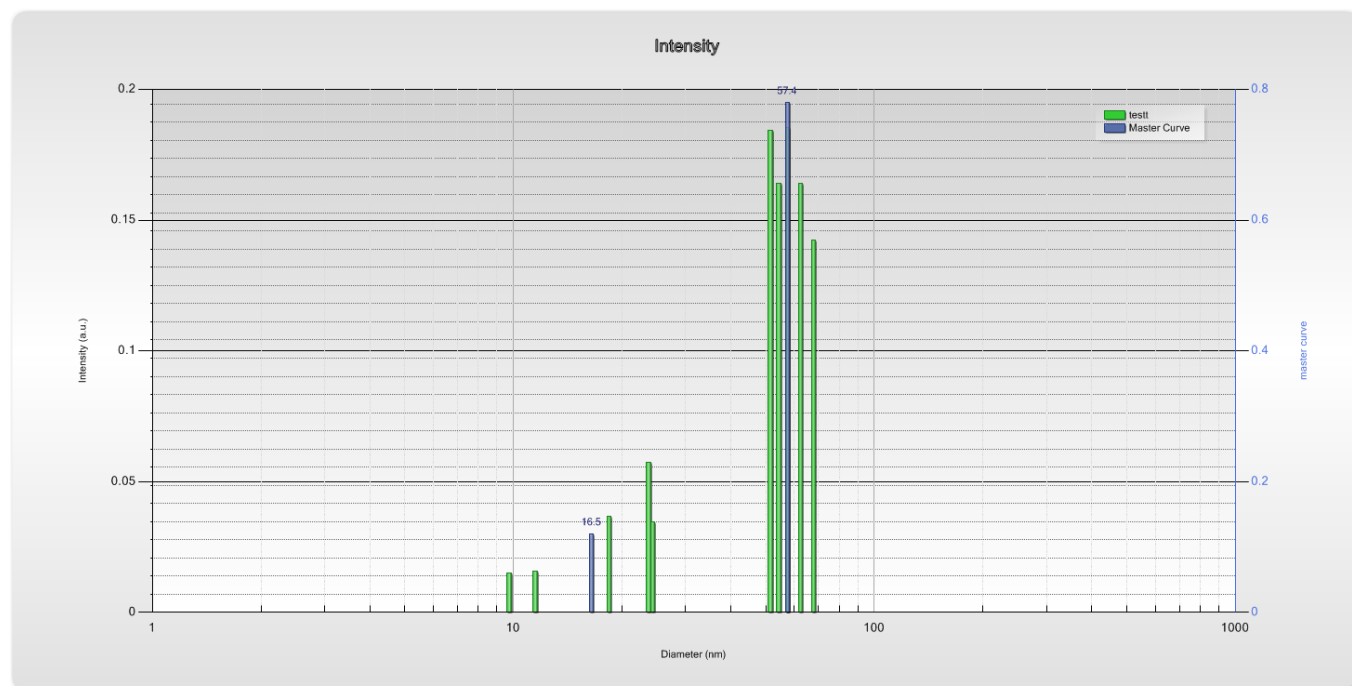
Algorithm

Pade Laplace	Cumulants
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Measurement

Average count rate : 2471 kcps
Number of rejected : 0

Duration : 00:05:06
Number of modified : 0



Dispersion statistics

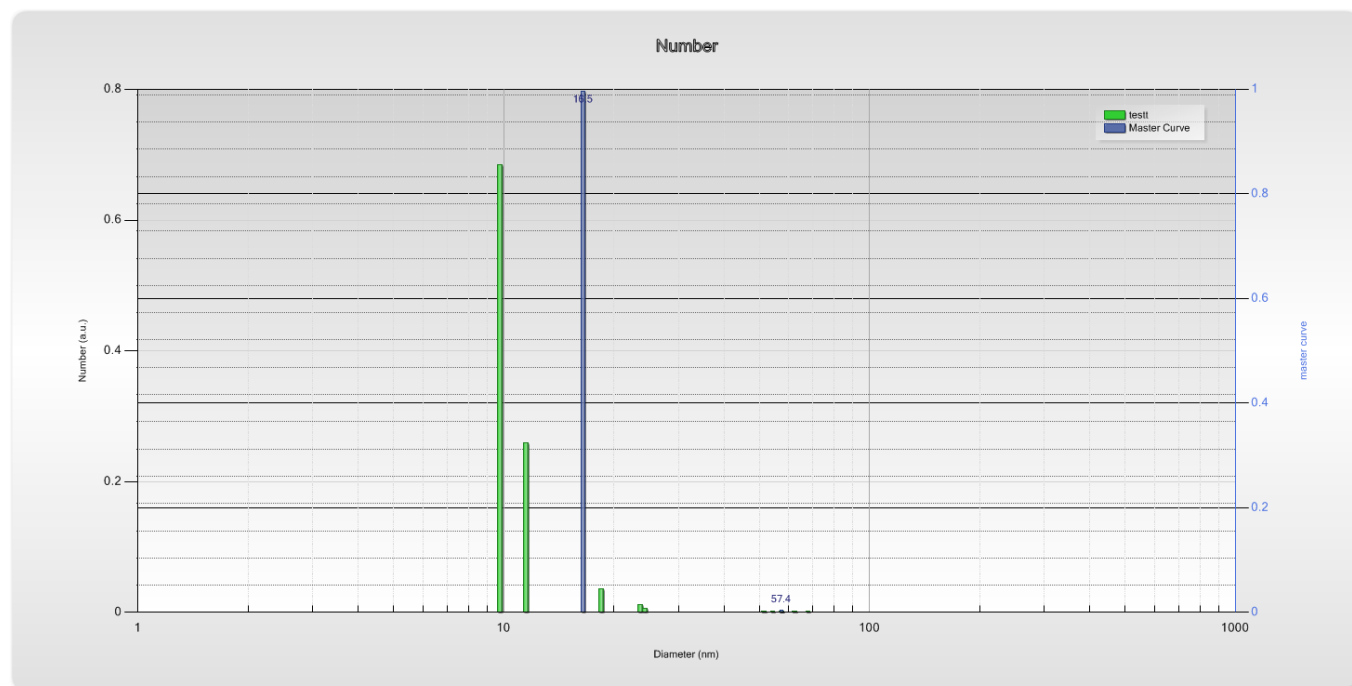
Di 10%: 23.63 nm

Di 50%: 54.32 nm

Di 90%: 67.81 nm

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity
9.73	0.02	23.63	0.06	54.32	0.16	67.81	0.14
11.49	0.02	24.3	0.03	57.42	0.19		
18.41	0.04	51.39	0.18	62.4	0.16		



Dispersion statistics

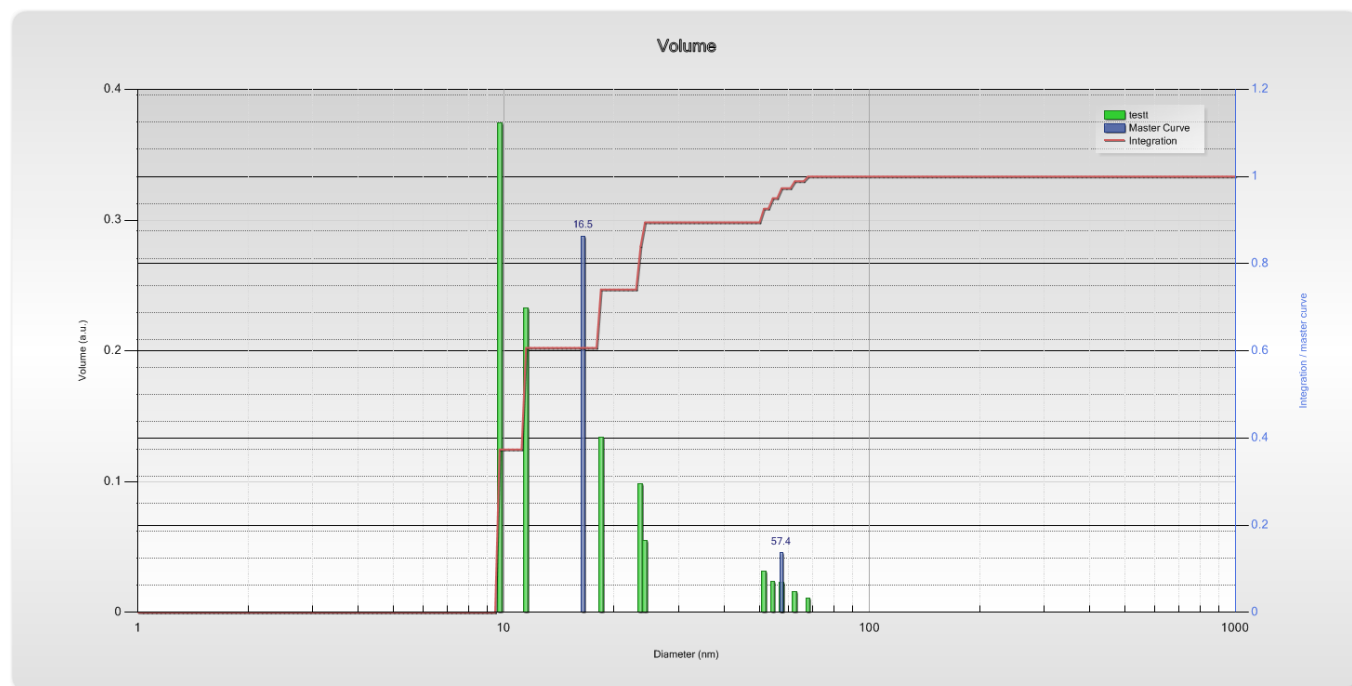
Dn 10%: 9.73 nm

Dn 50%: 9.73 nm

Dn 90%: 11.49 nm

Dispersion datas

Size (nm)	Number	Size (nm)	Number	Size (nm)	Number	Size (nm)	Number
9.73	0.68	18.41	0.04	24.3	0.01		
11.49	0.26	23.63	0.01				



Dispersion statistics

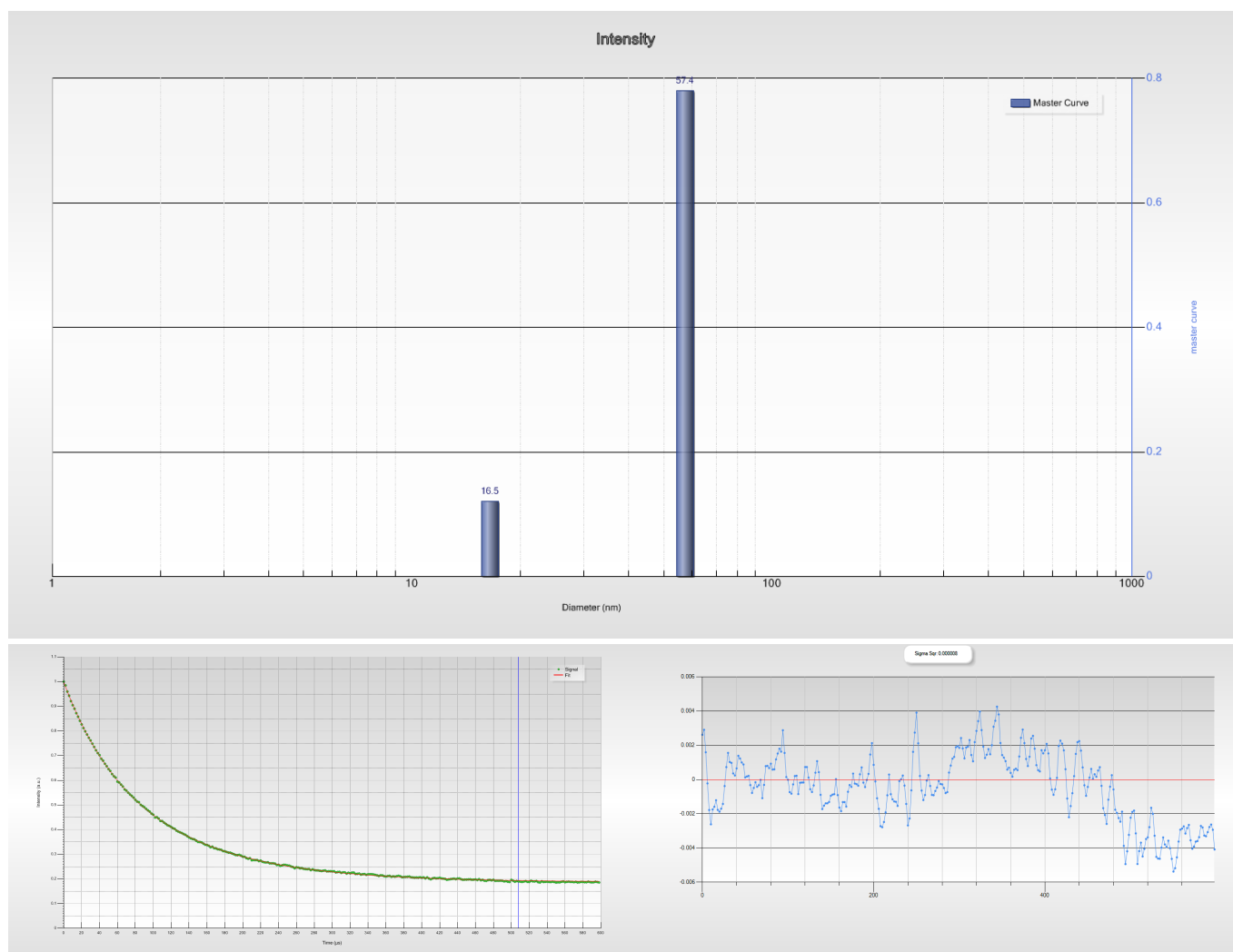
Dv 10%: 9.73 nm

Dv 50%: 11.49 nm

Dv 90%: 51.39 nm

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume
9.73	0.37	23.63	0.1	54.32	0.02	67.81	0.01
11.49	0.23	24.3	0.05	57.42	0.02		
18.41	0.13	51.39	0.03	62.4	0.02		



Dispersion statistics

Di 10%: 16.48 nm
Mean Intensity: 51.94 nm

Di 50%: 57.42 nm

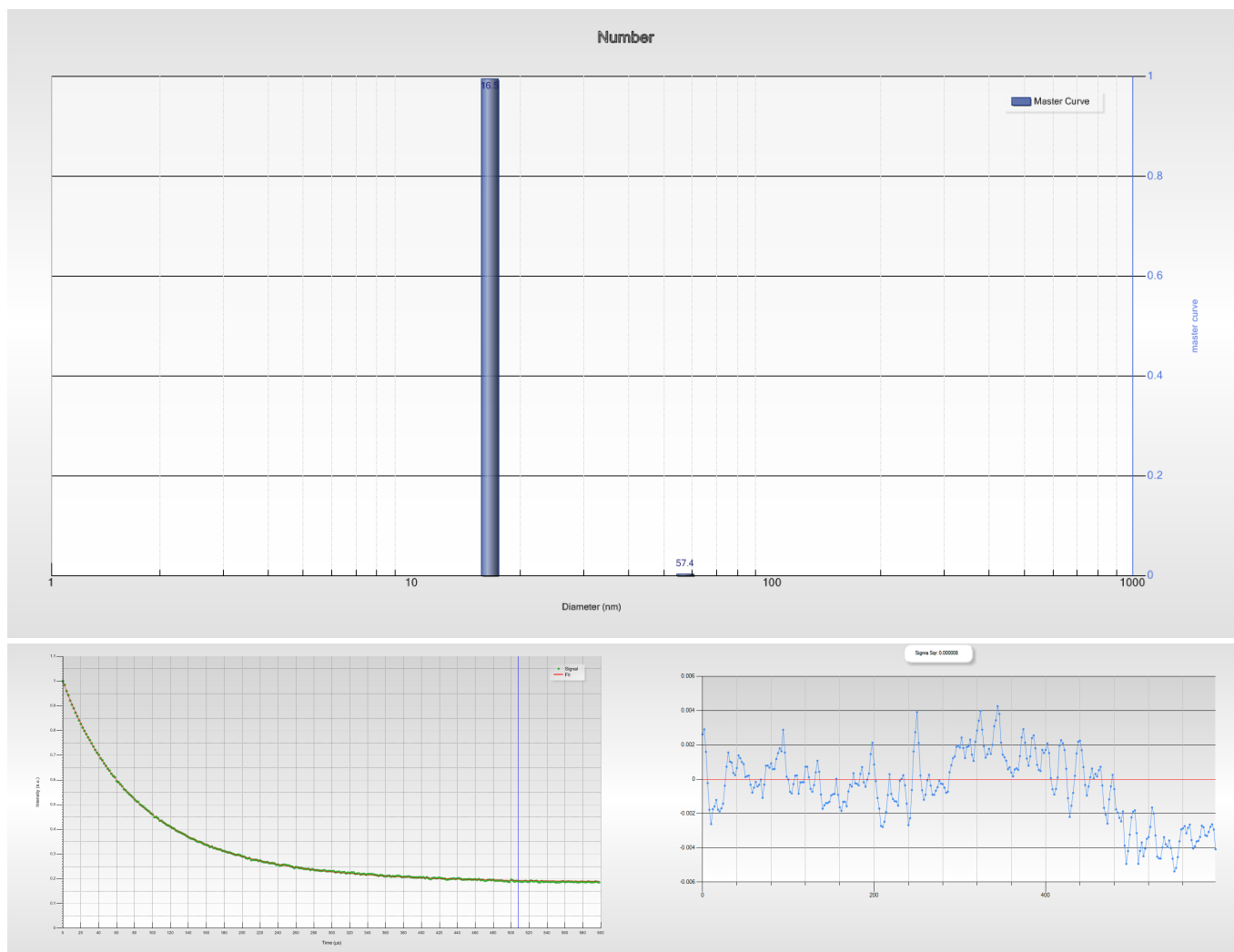
Di 90%: 57.42 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
16.56	0.12	15697.87	29.69783E-012
57.5	0.78	4519.65	85.50448E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
16.48	0.13	57.42	0.87



Dispersion statistics

Dn 10%: 16.48 nm
Mean Number: 16.63 nm

Dn 50%: 16.48 nm

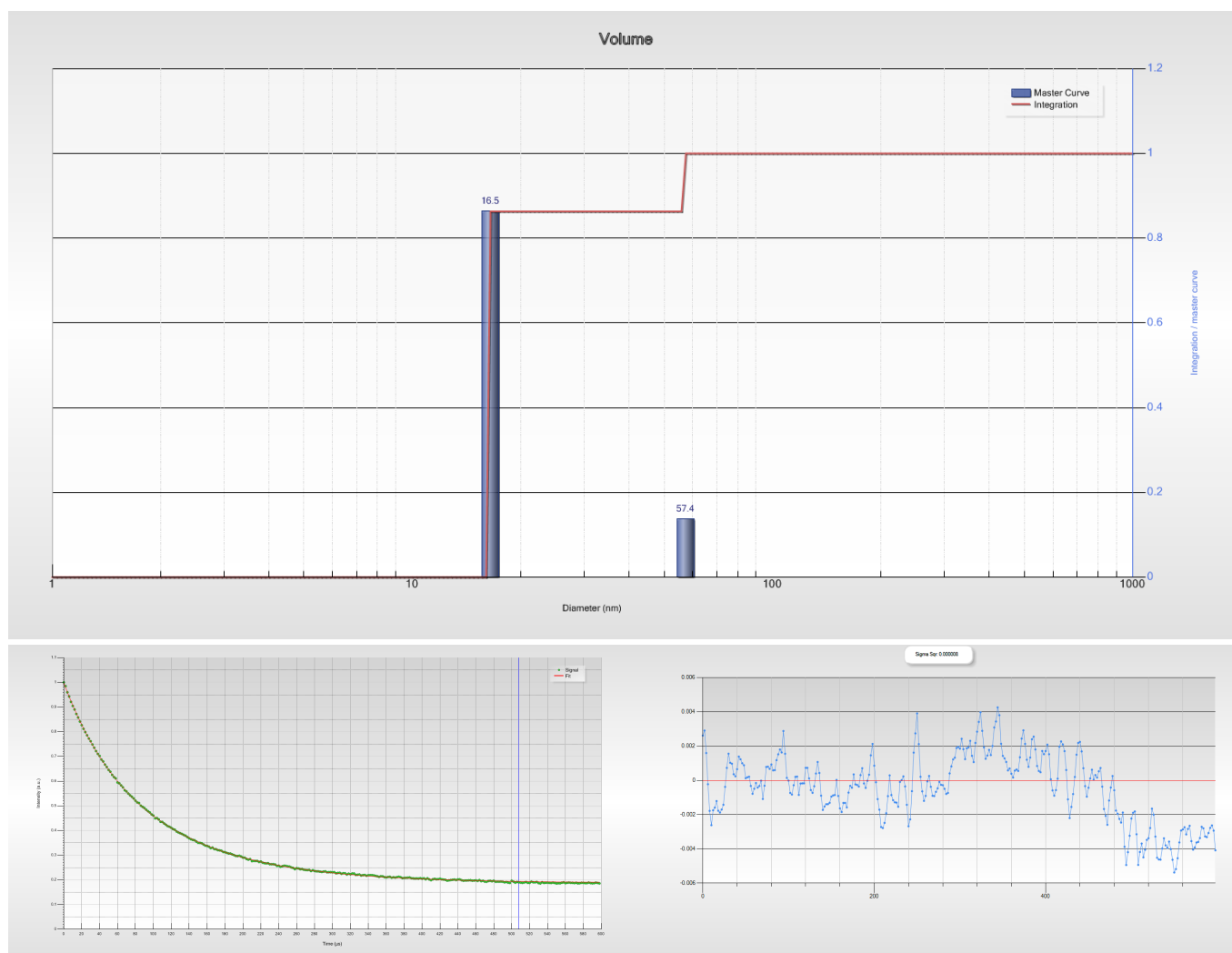
Dn 90%: 16.48 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
16.56	0.12	15697.87	29.69783E-012
57.5	0.78	4519.65	85.50448E-013

Dispersion datas

Size (nm)	Number
16.48	1



Dispersion statistics

Dv 10%: 16.48 nm
Mean Volume: 22.08 nm

Dv 50%: 16.48 nm

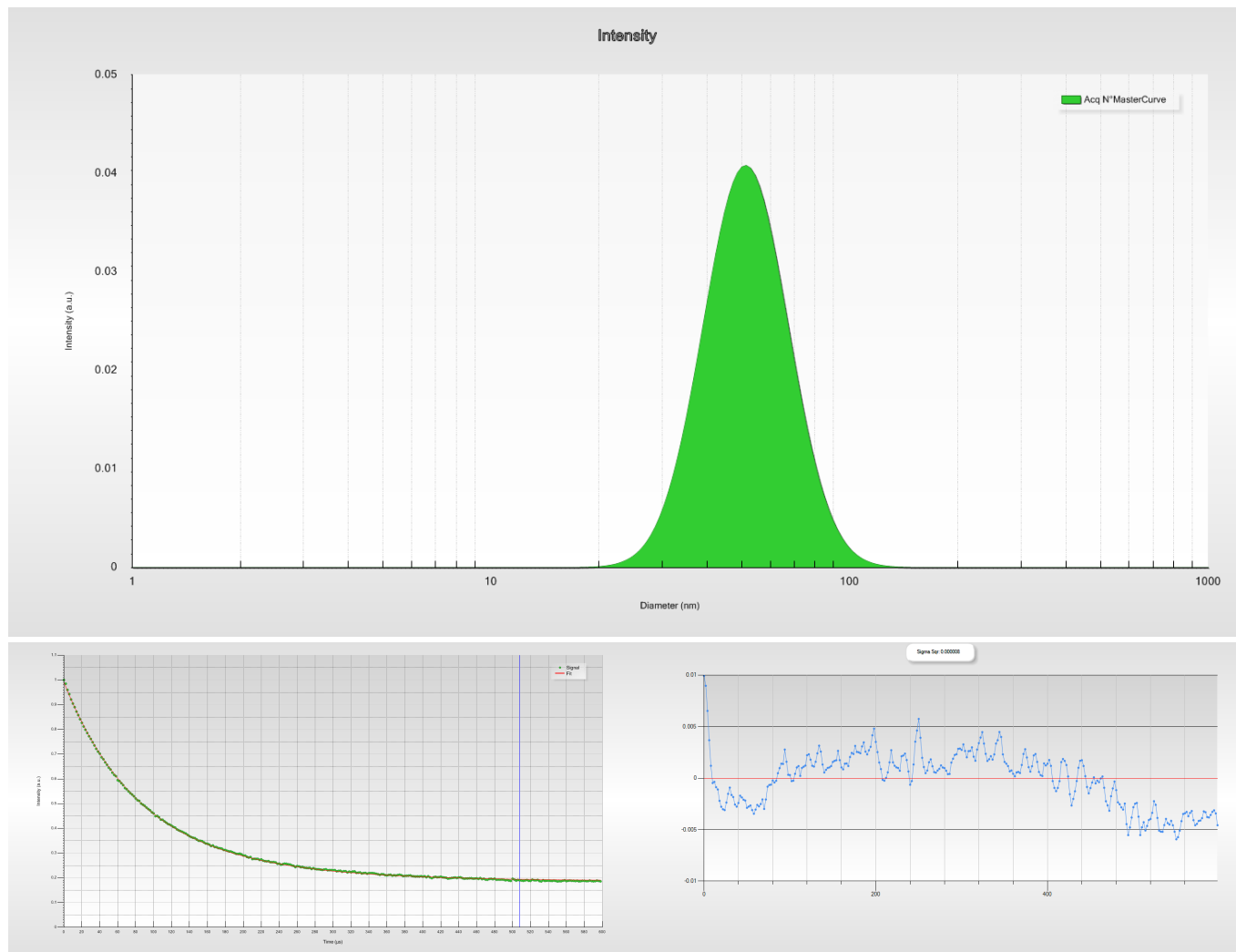
Dv 90%: 57.42 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
16.56	0.12	15697.87	29.69783E-012
57.5	0.78	4519.65	85.50448E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
16.48	0.86	57.42	0.14



Distribution statistics

Di 10%: 35.83 nm
Mean Intensity: 53.13 nm
PDI : 0.30487

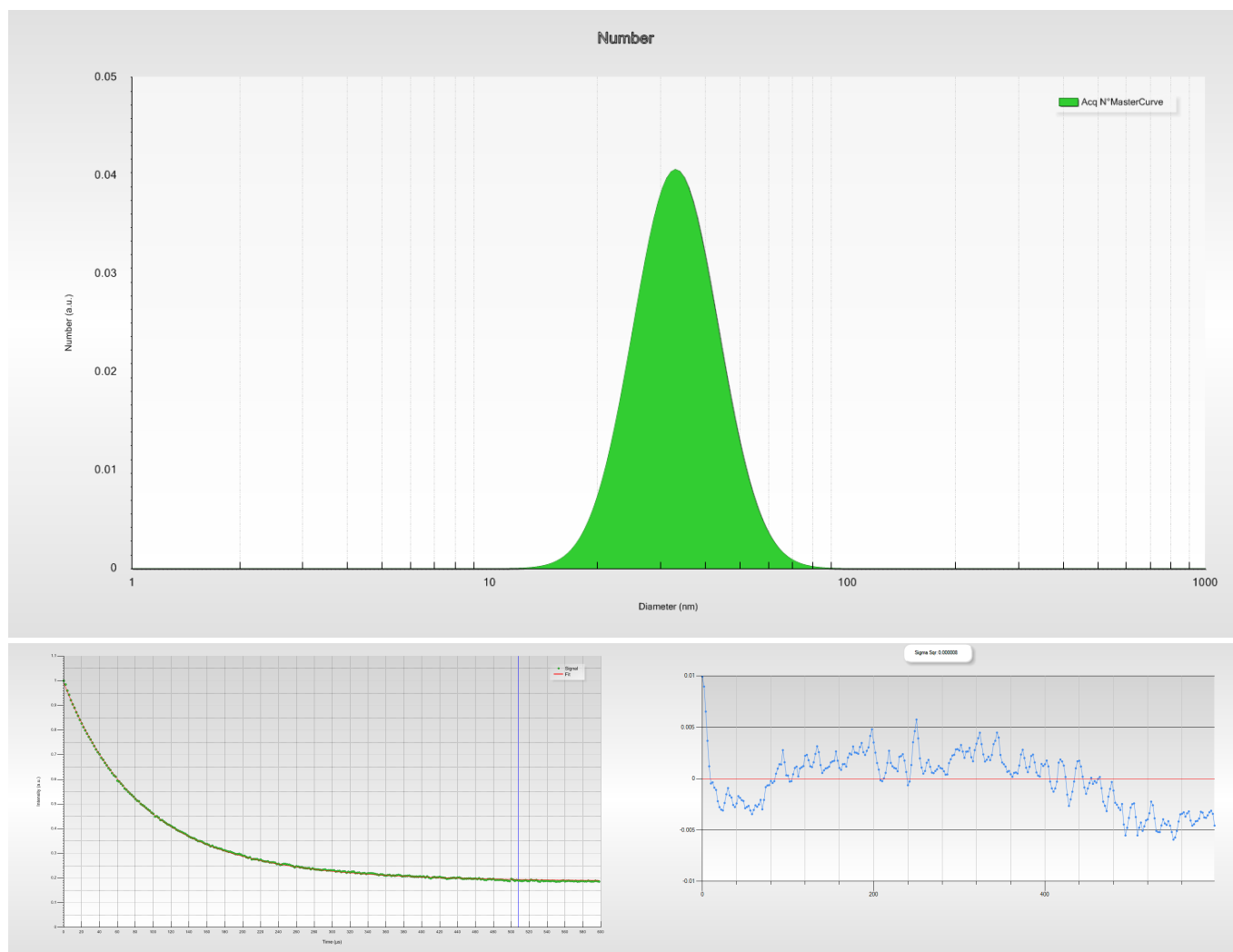
Di 50%: 51.39 nm

Di 90%: 71.68 nm

Std Dev: 27.61%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.88	0.8	5664.94	10.71714E-012



Distribution statistics

Dn 10%: 22.99 nm
Mean Number: 34.28 nm
PDI : 0.30487

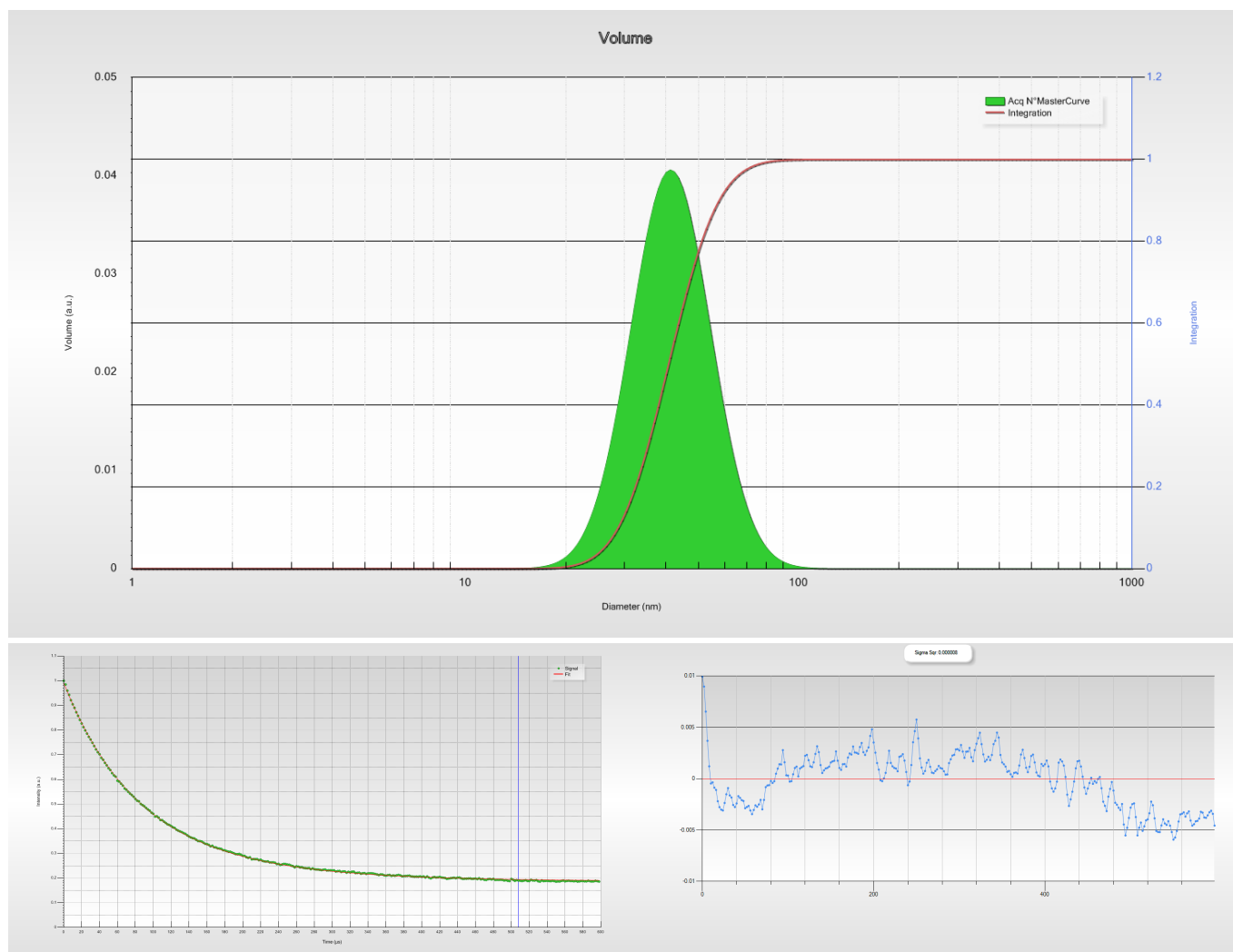
Dn 50%: 32.97 nm

Dn 90%: 47.28 nm

Std Dev: 27.61%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.88	0.8	5664.94	10.71714E-012



Distribution statistics

Dv 10%: 29.5 nm
Mean Volume: 42.83 nm
PDI : 0.30487

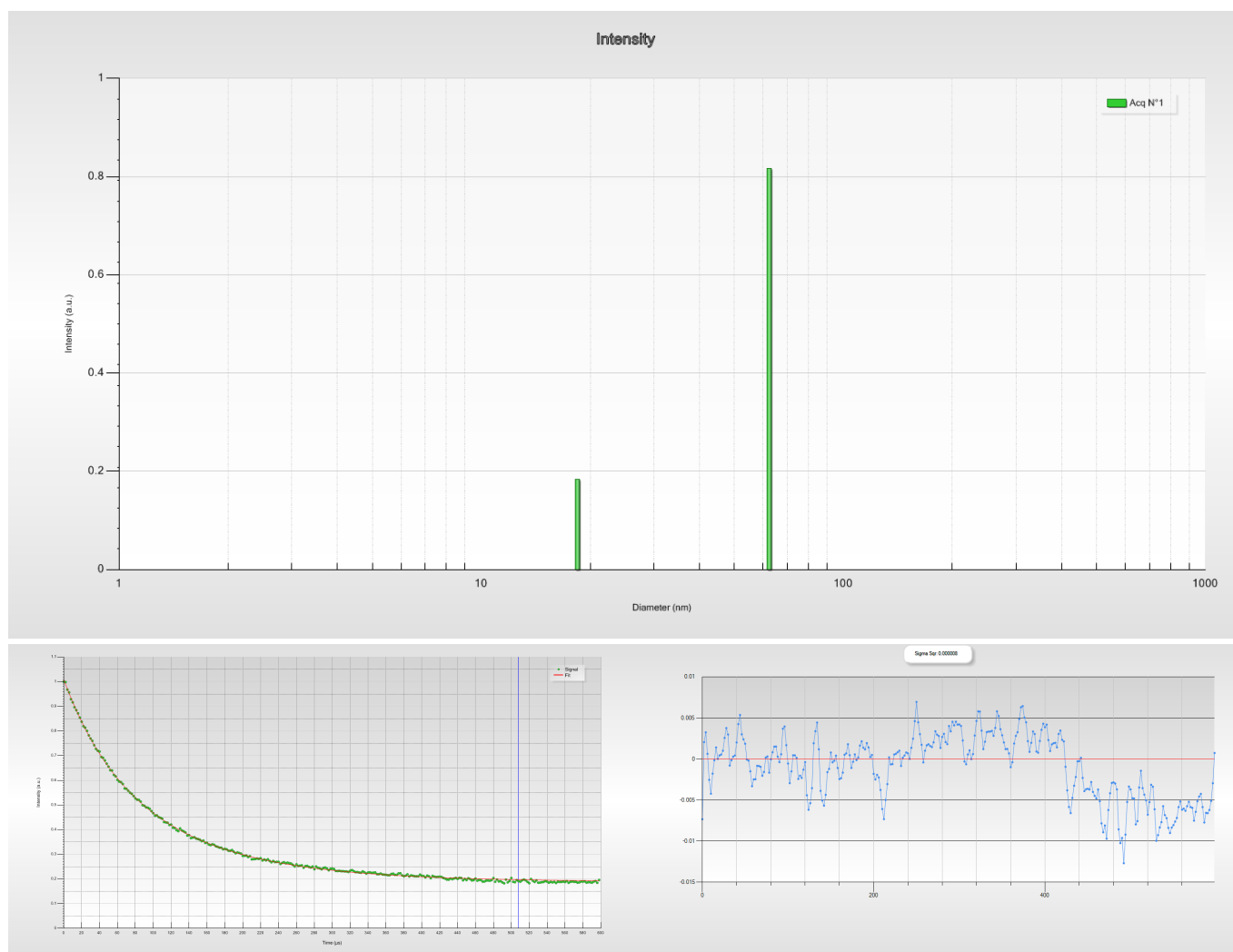
Dv 50%: 41.16 nm

Dv 90%: 59.03 nm

Std Dev: 27.61%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.88	0.8	5664.94	10.71714E-012



Dispersion statistics

Di 10%: 18.41 nm
Mean Intensity: 54.32 nm

Di 50%: 62.4 nm

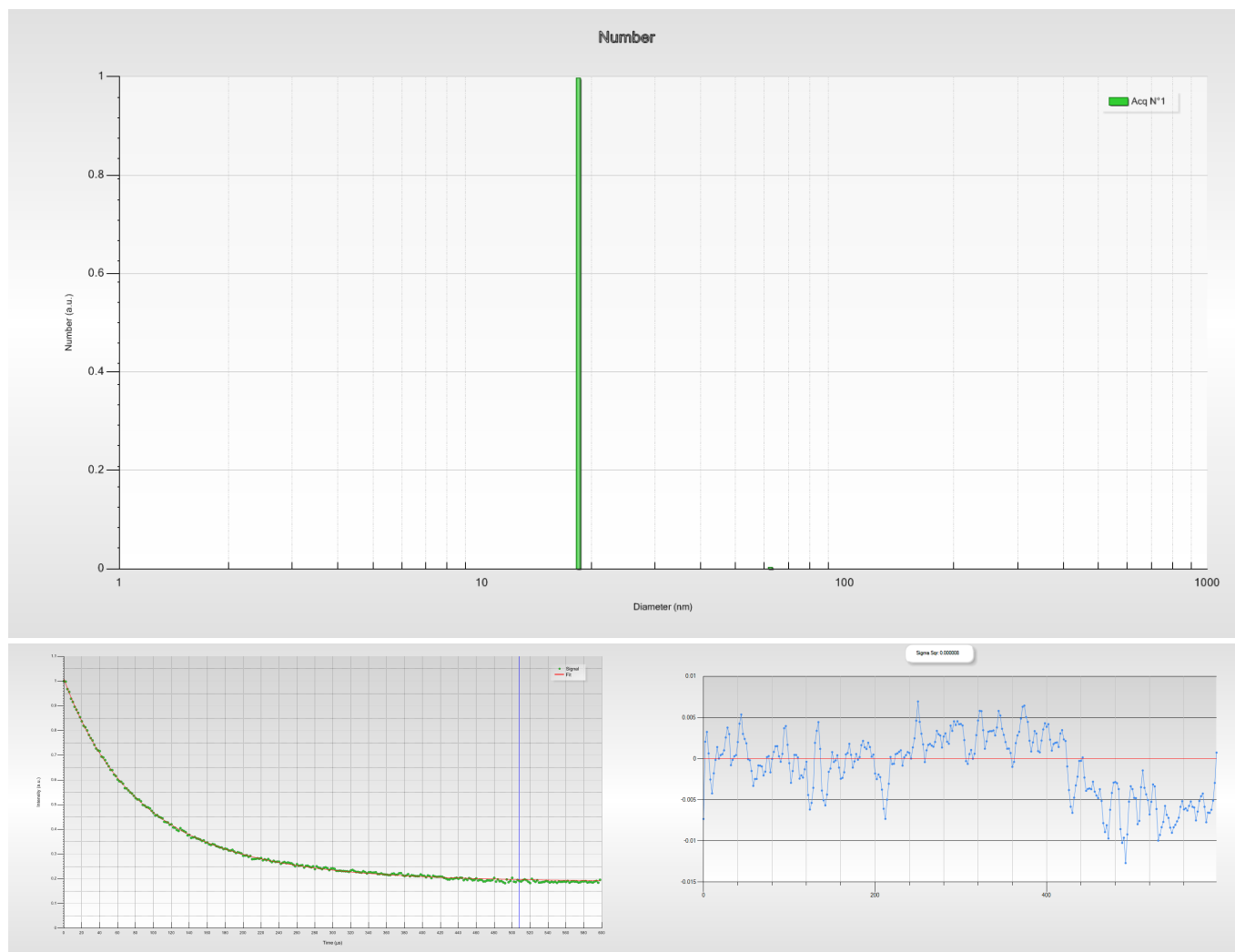
Di 90%: 62.4 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
18.34	0.17	14167.54	26.80268E-012
62.35	0.74	4166.27	78.81914E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
18.41	0.18	62.4	0.82



Dispersion statistics

Dn 10%: 18.41 nm
Mean Number: 18.54 nm

Dn 50%: 18.41 nm

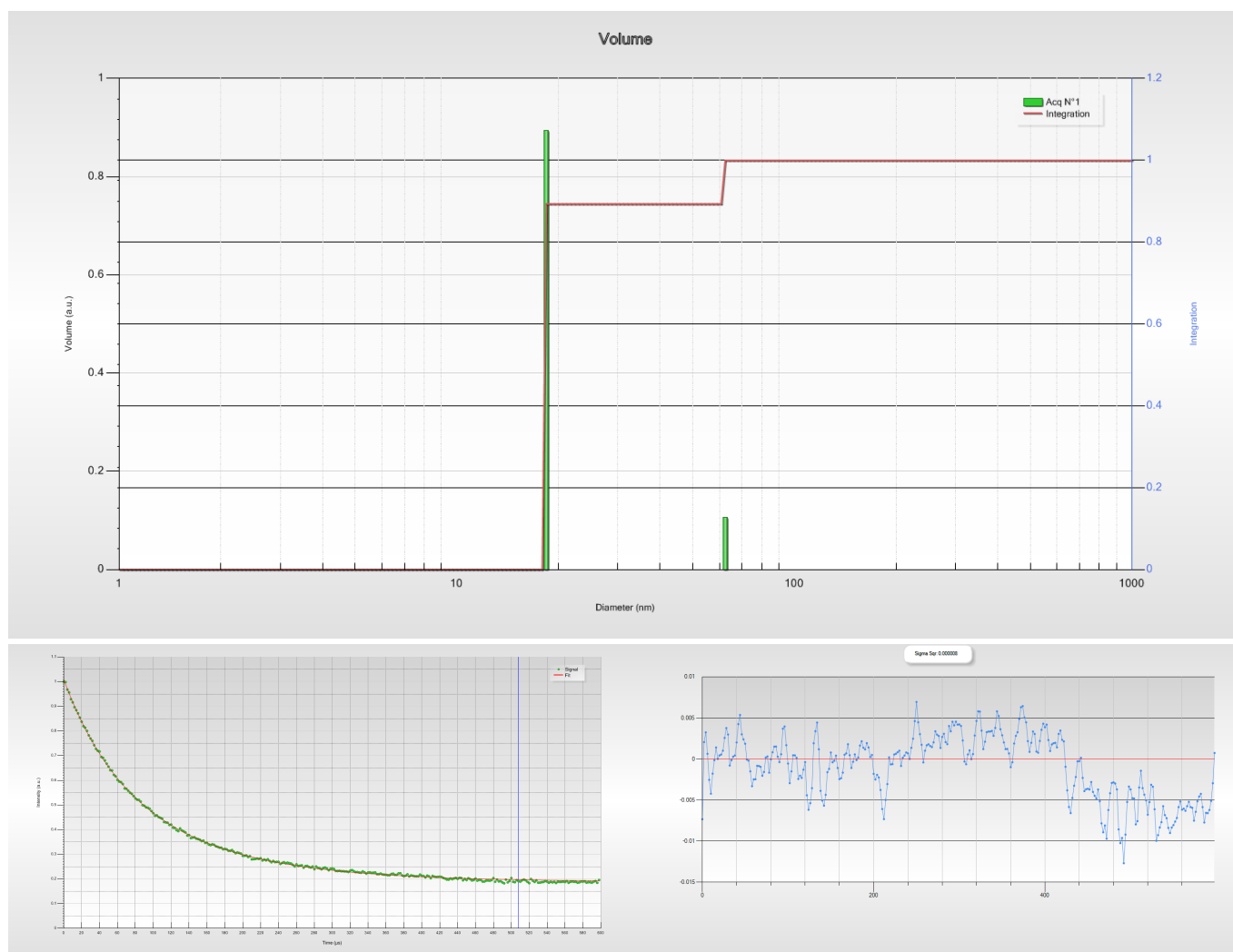
Dn 90%: 18.41 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
18.34	0.17	14167.54	26.80268E-012
62.35	0.74	4166.27	78.81914E-013

Dispersion datas

Size (nm)	Number
18.41	1



Dispersion statistics

Dv 10%: 18.41 nm
Mean Volume: 23.09 nm

Dv 50%: 18.41 nm

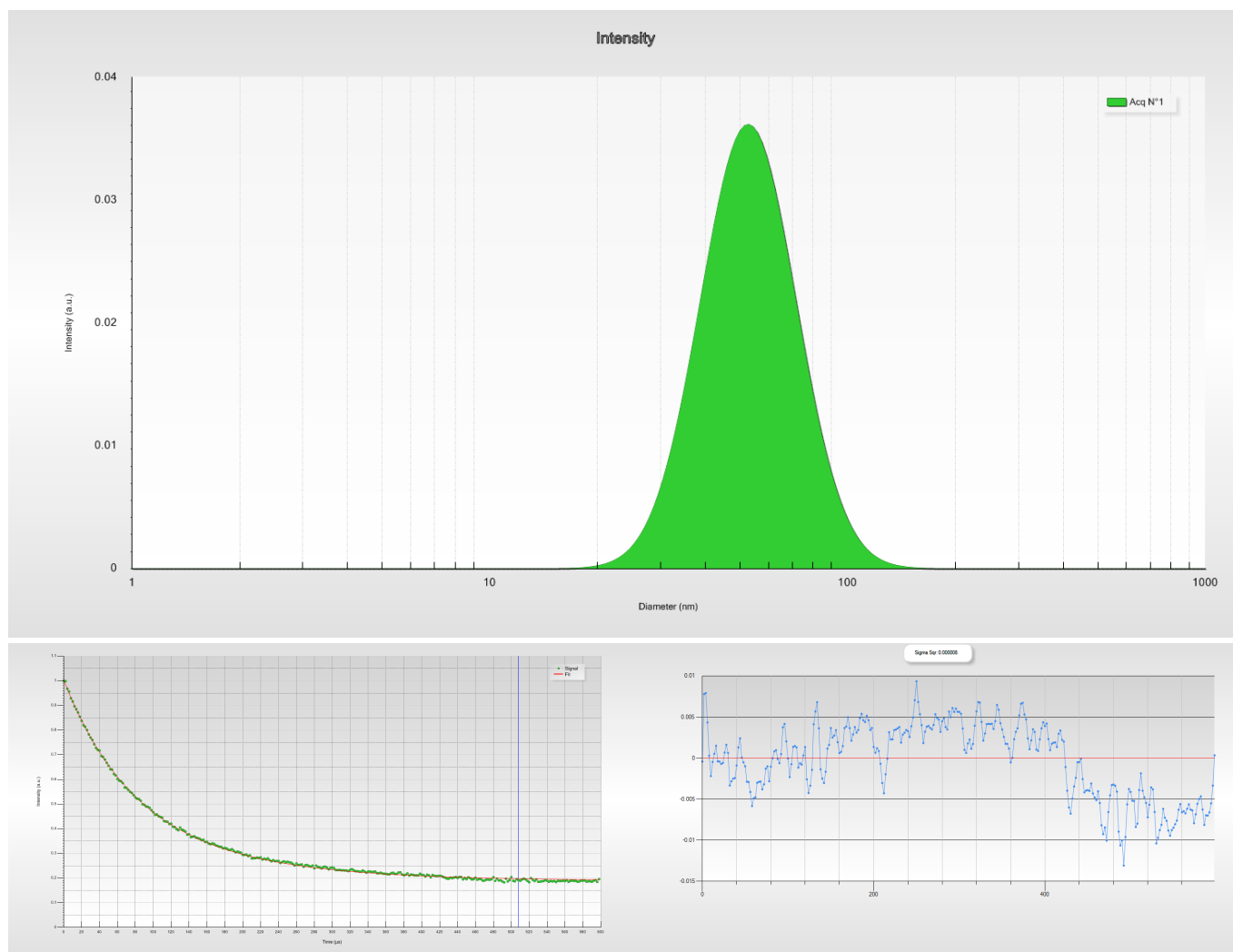
Dv 90%: 62.4 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
18.34	0.17	14167.54	26.80268E-012
62.35	0.74	4166.27	78.81914E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
18.41	0.89	62.4	0.11



Distribution statistics

Di 10%: 35.83 nm
Mean Intensity: 55.18 nm
PDI : 0.39201

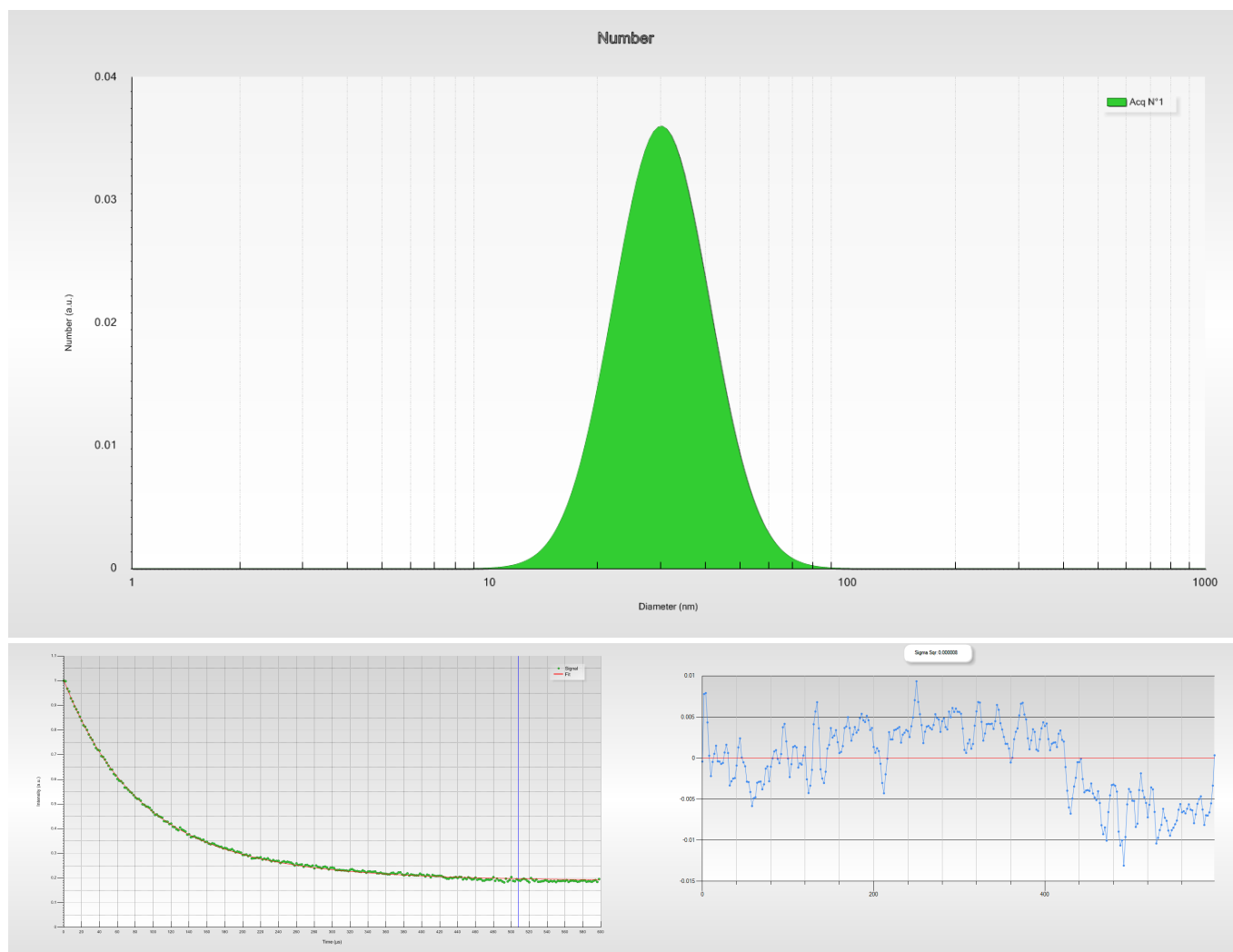
Di 50%: 52.83 nm

Di 90%: 77.91 nm

Std Dev: 31.31%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.76	0.81	5677.49	10.7409E-012



Distribution statistics

Dn 10%: 20.57 nm
Mean Number: 31.57 nm
PDI : 0.39201

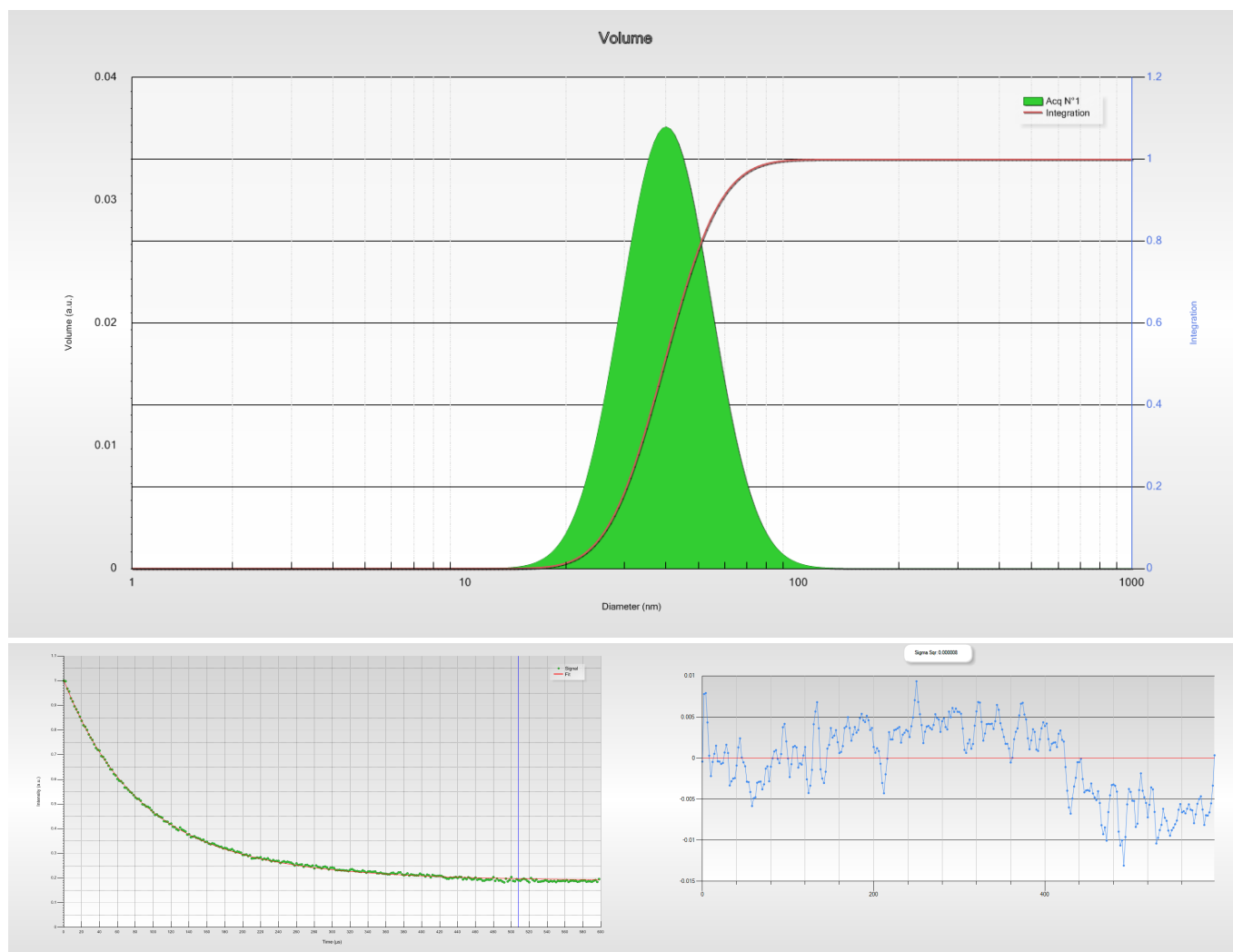
Dn 50%: 30.33 nm

Dn 90%: 44.73 nm

Std Dev: 31.31%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.76	0.81	5677.49	10.7409E-012

**Distribution statistics**

Dv 10%: 27.15 nm
Mean Volume: 41.93 nm
PDI : 0.39201

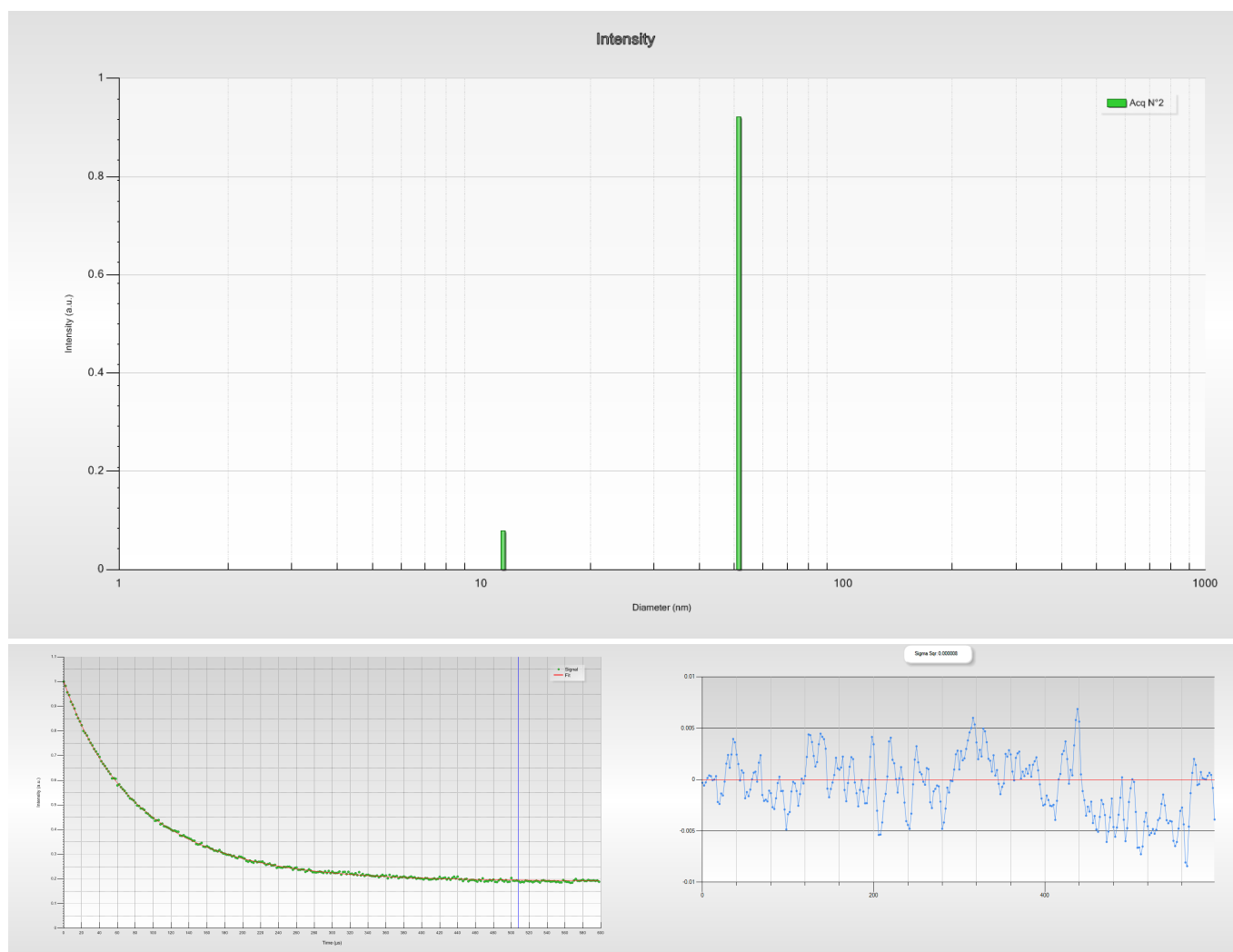
Dv 50%: 40.03 nm

Dv 90%: 59.03 nm

Std Dev: 31.31%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.76	0.81	5677.49	10.7409E-012



Dispersion statistics

Di 10%: 51.39 nm
Mean Intensity: 48.27 nm

Di 50%: 51.39 nm

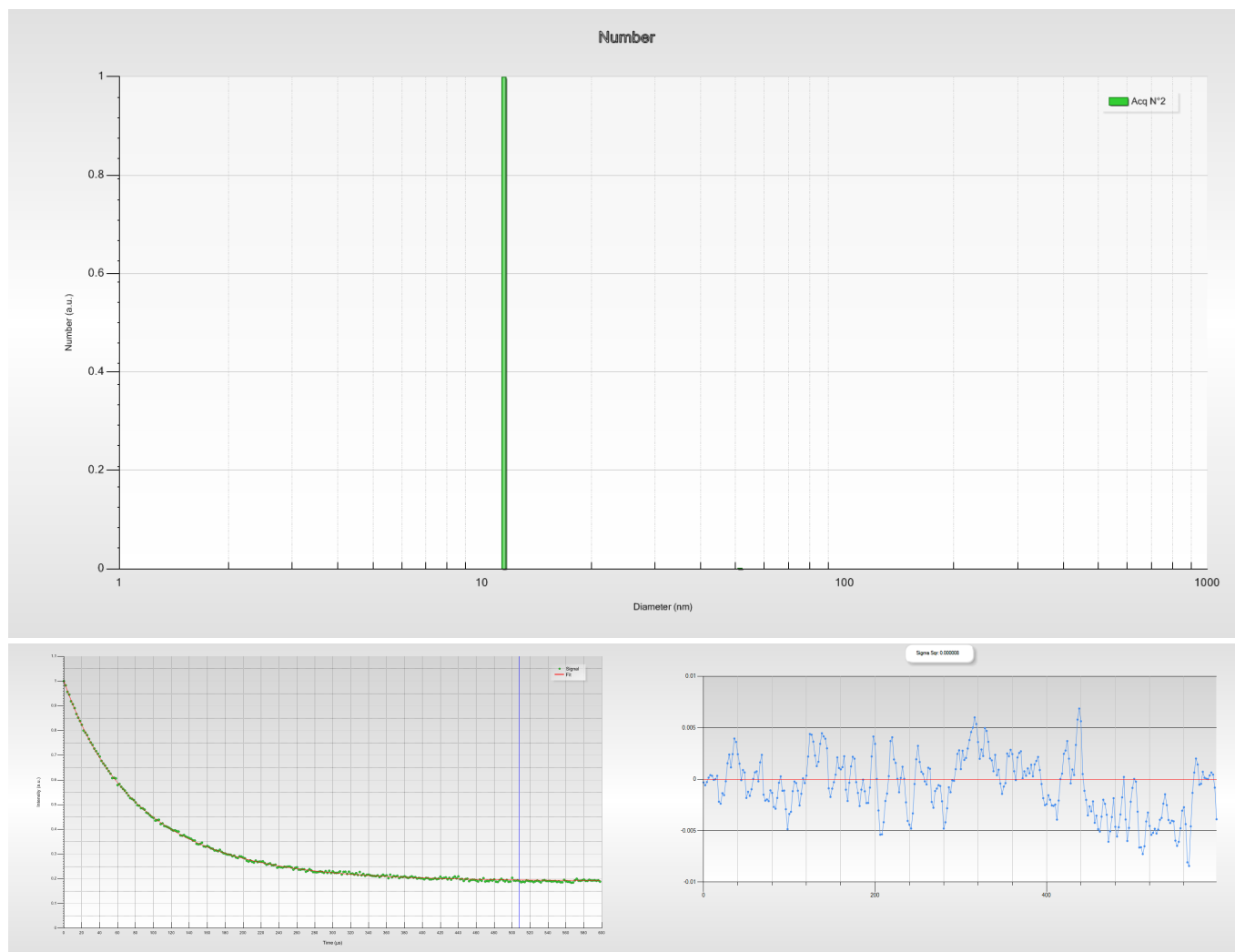
Di 90%: 51.39 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
11.55	0.07	22491.12	42.54955E-012
51.29	0.83	5065.39	95.829E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
11.49	0.08	51.39	0.92



Dispersion statistics

Dn 10%: 11.49 nm
Mean Number: 11.55 nm

Dn 50%: 11.49 nm

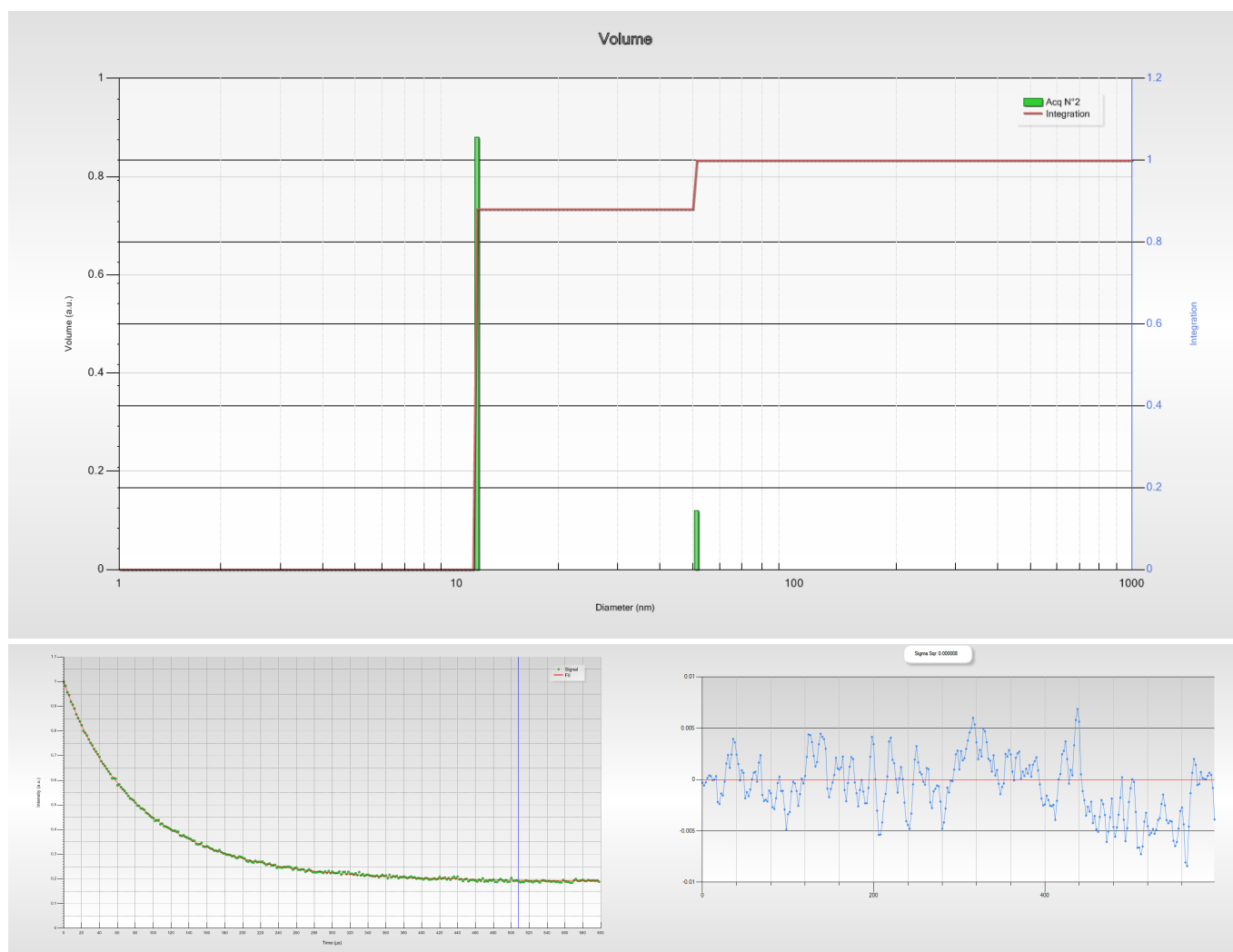
Dn 90%: 11.49 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
11.55	0.07	22491.12	42.54955E-012
51.29	0.83	5065.39	95.829E-013

Dispersion datas

Size (nm)	Number
11.49	1



Dispersion statistics

Dv 10%: 11.49 nm
Mean Volume: 16.25 nm

Dv 50%: 11.49 nm

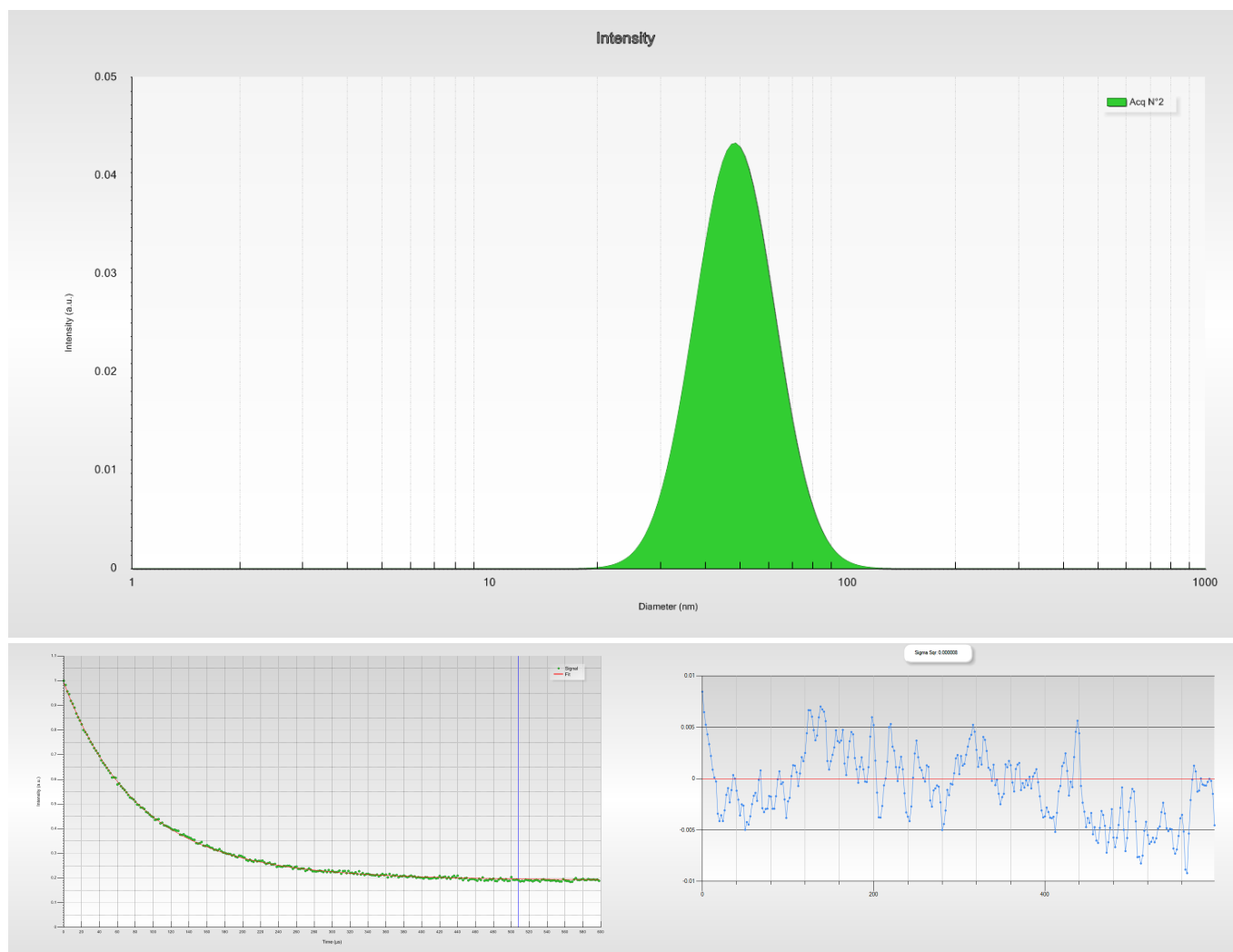
Dv 90%: 51.39 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
11.55	0.07	22491.12	42.54955E-012
51.29	0.83	5065.39	95.829E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
11.49	0.88	51.39	0.12



Distribution statistics

Di 10%: 34.85 nm
Mean Intensity: 49.88 nm
PDI : 0.26951

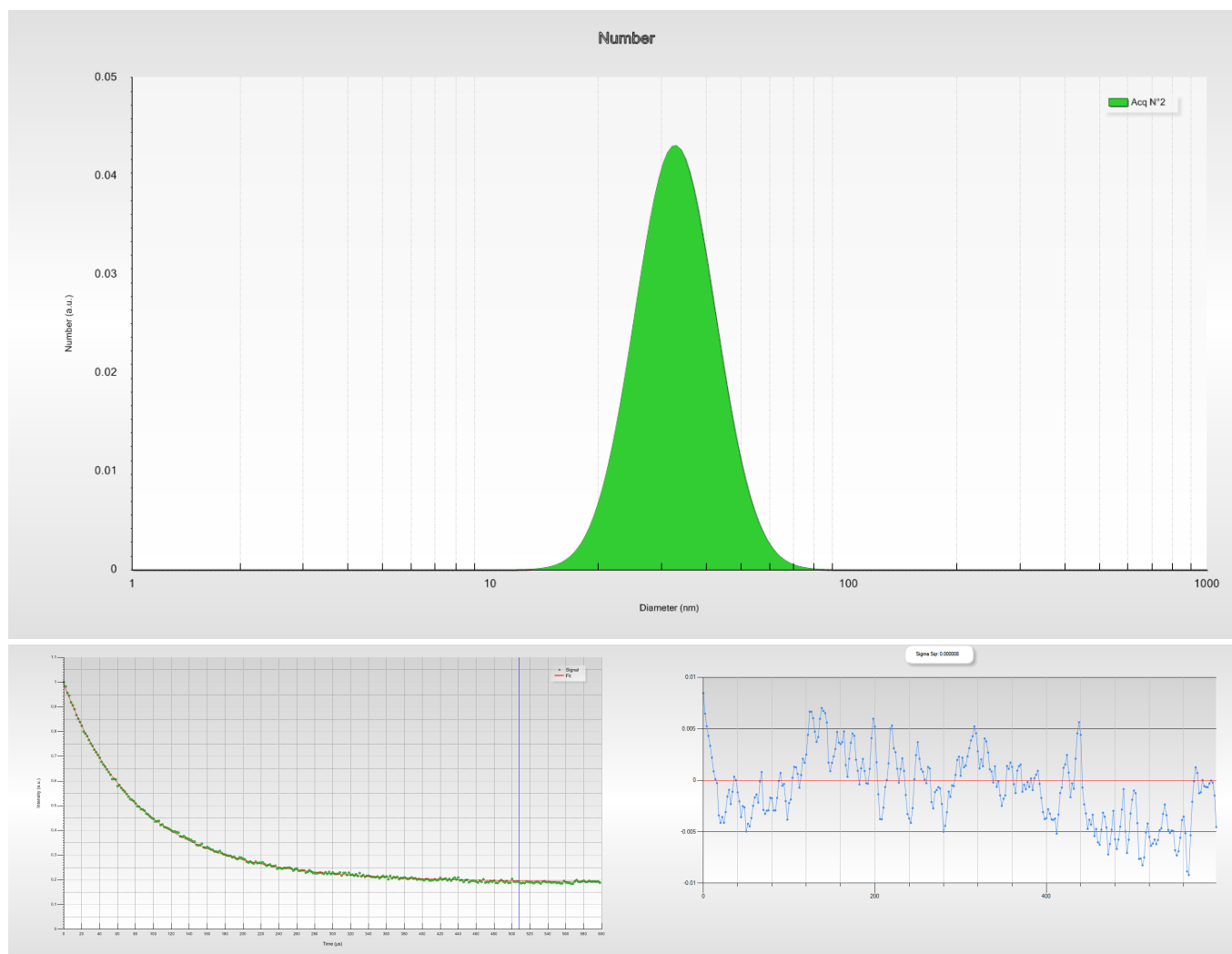
Di 50%: 48.61 nm

Di 90%: 67.81 nm

Std Dev: 25.96%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
43.77	0.8	5935.17	11.22839E-012

**Distribution statistics**

Dn 10%: 23.63 nm
Mean Number: 33.8 nm
PDI : 0.26951

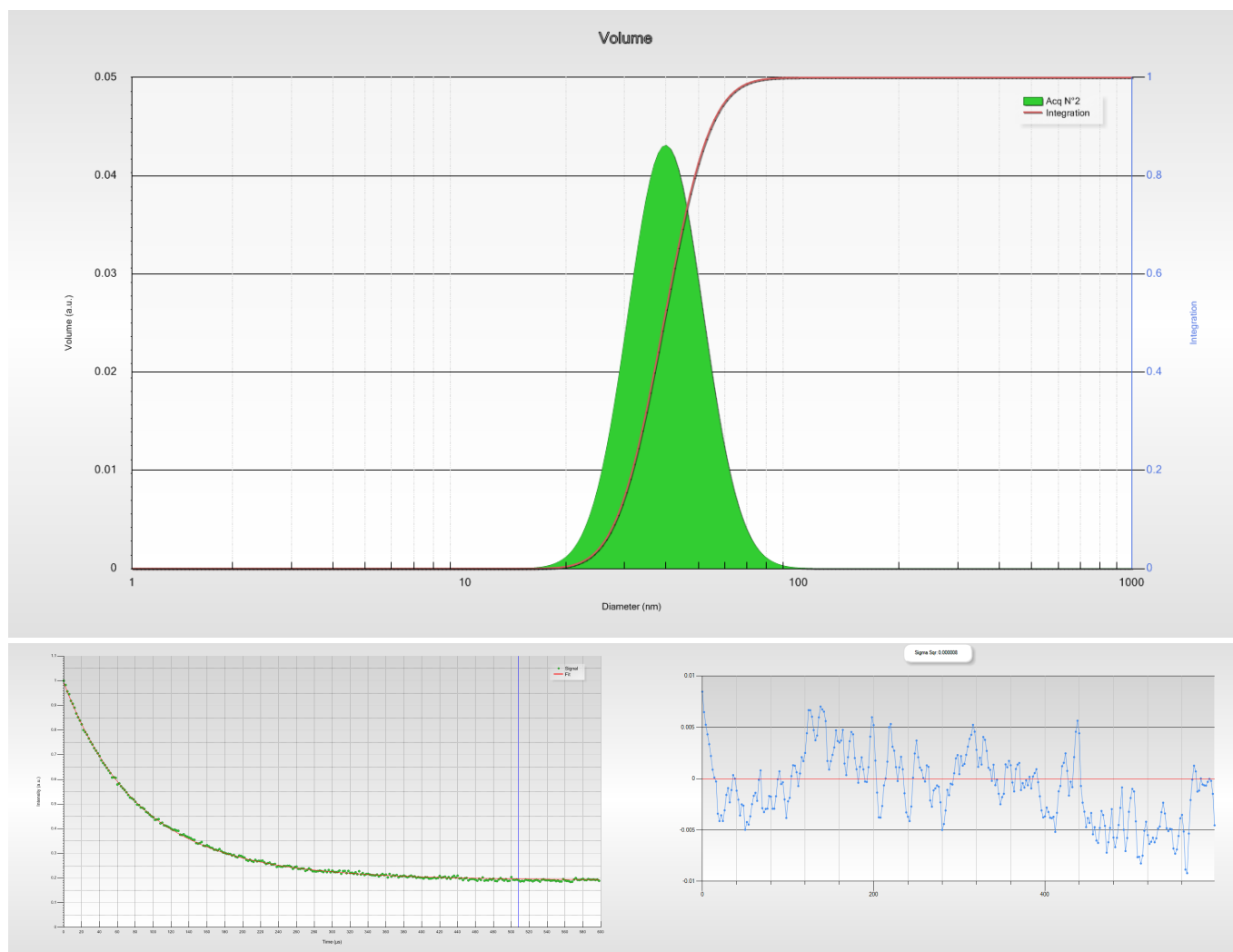
Dn 50%: 32.97 nm

Dn 90%: 45.99 nm

Std Dev: 25.96%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
43.77	0.8	5935.17	11.22839E-012

**Distribution statistics**

Dv 10%: 28.7 nm
Mean Volume: 41.19 nm
PDI : 0.26951

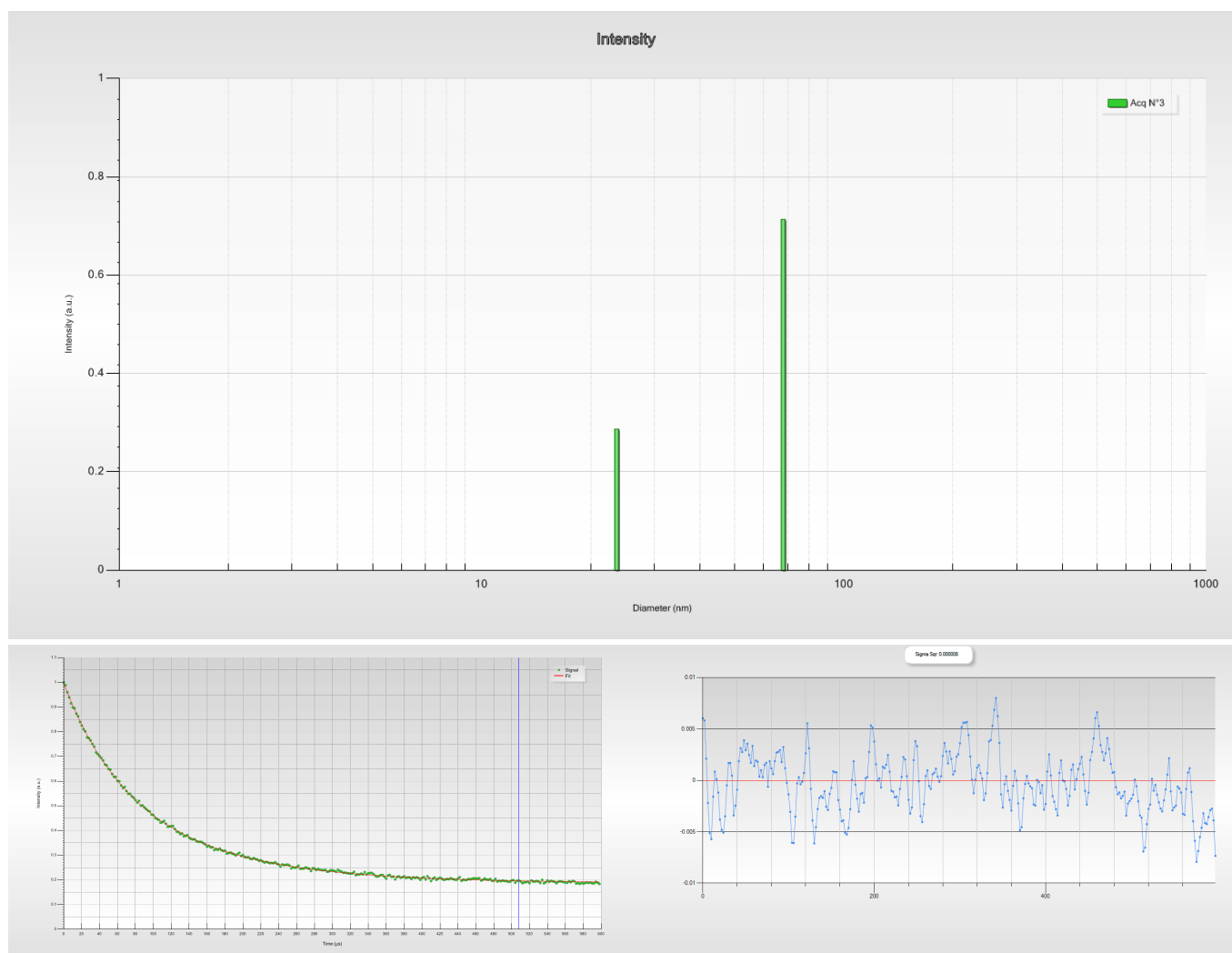
Dv 50%: 40.03 nm

Dv 90%: 55.85 nm

Std Dev: 25.96%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
43.77	0.8	5935.17	11.22839E-012



Dispersion statistics

Di 10%: 23.63 nm
Mean Intensity: 55.11 nm

Di 50%: 67.81 nm

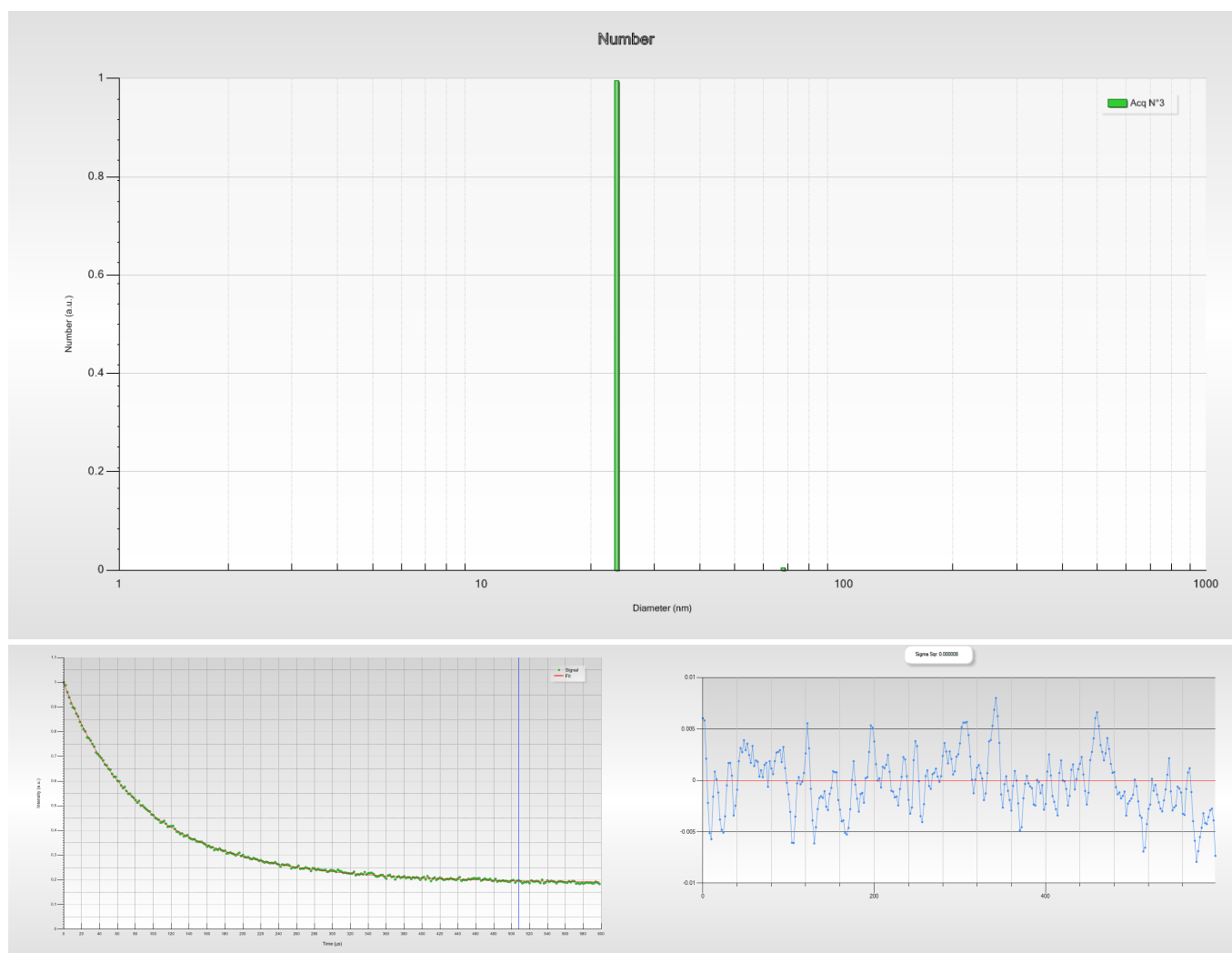
Di 90%: 67.81 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
23.6	0.26	11033.34	20.87329E-012
68.5	0.64	3800.38	71.89702E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
23.63	0.29	67.81	0.71



Dispersion statistics

Dn 10%: 23.63 nm
Mean Number: 23.84 nm

Dn 50%: 23.63 nm

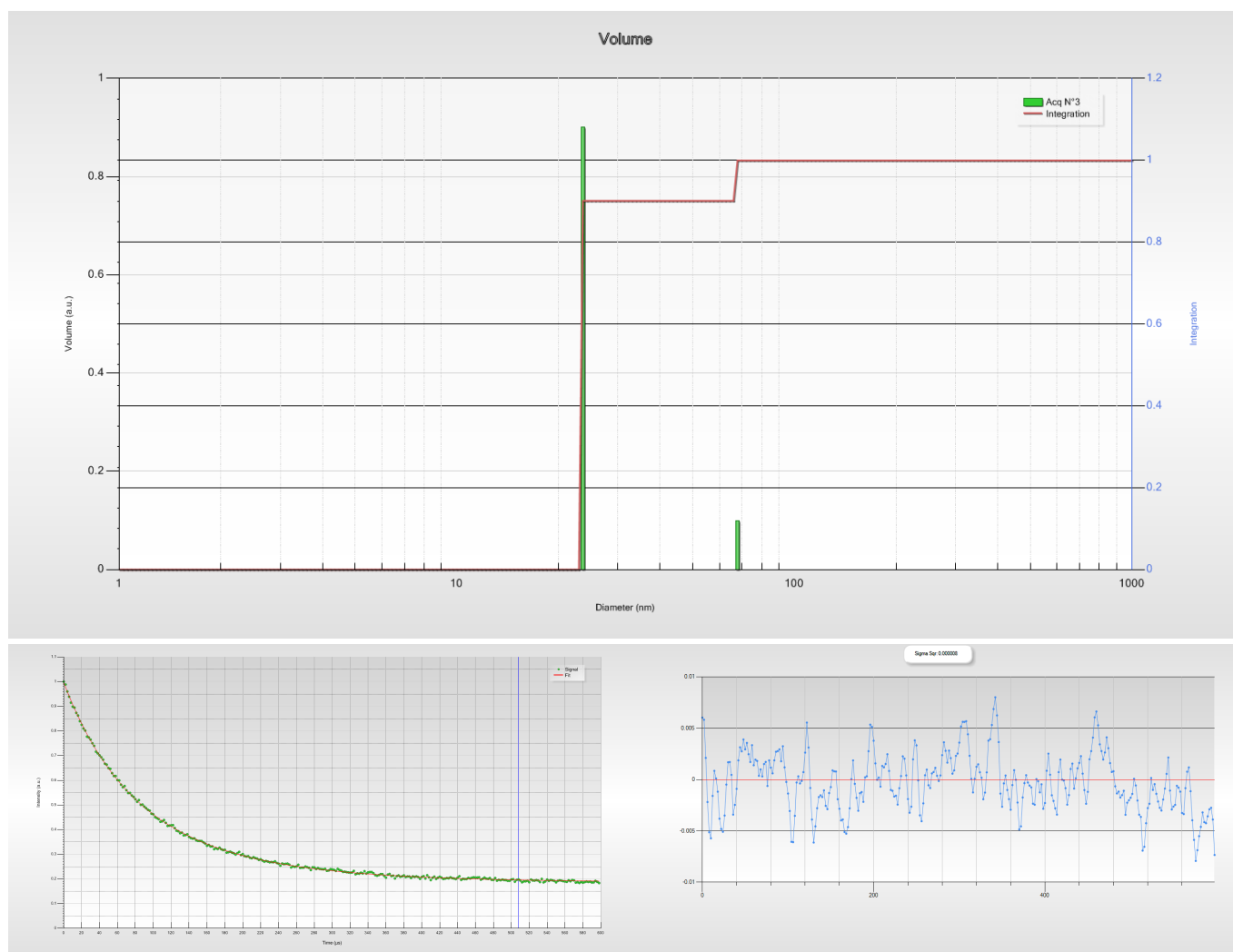
Dn 90%: 23.63 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
23.6	0.26	11033.34	20.87329E-012
68.5	0.64	3800.38	71.89702E-013

Dispersion datas

Size (nm)	Number
23.63	1



Dispersion statistics

Dv 10%: 23.63 nm
Mean Volume: 28 nm

Dv 50%: 23.63 nm

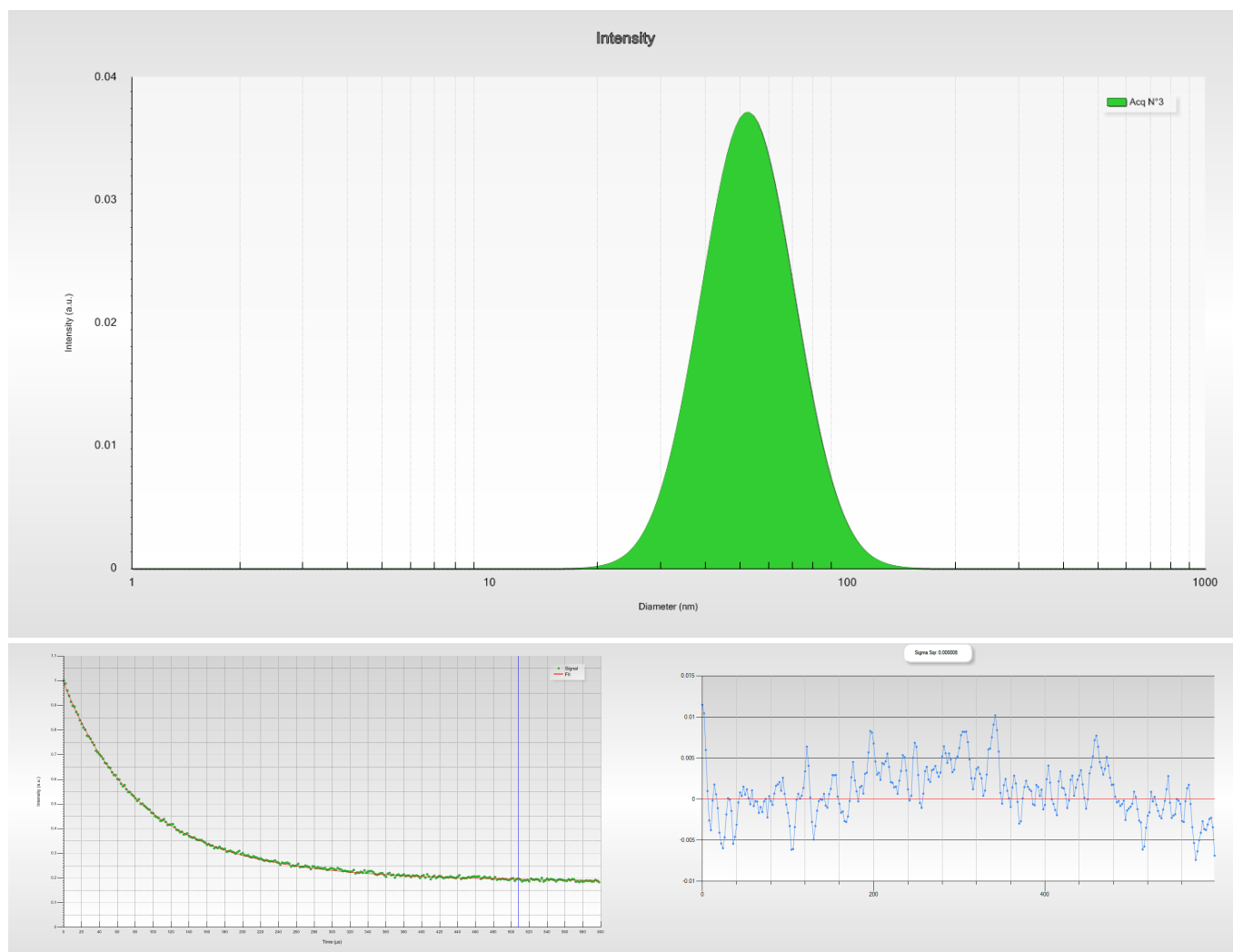
Dv 90%: 23.63 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
23.6	0.26	11033.34	20.87329E-012
68.5	0.64	3800.38	71.89702E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
23.63	0.9	67.81	0.1



Distribution statistics

Di 10%: 35.83 nm
Mean Intensity: 54.86 nm
PDI : 0.3704

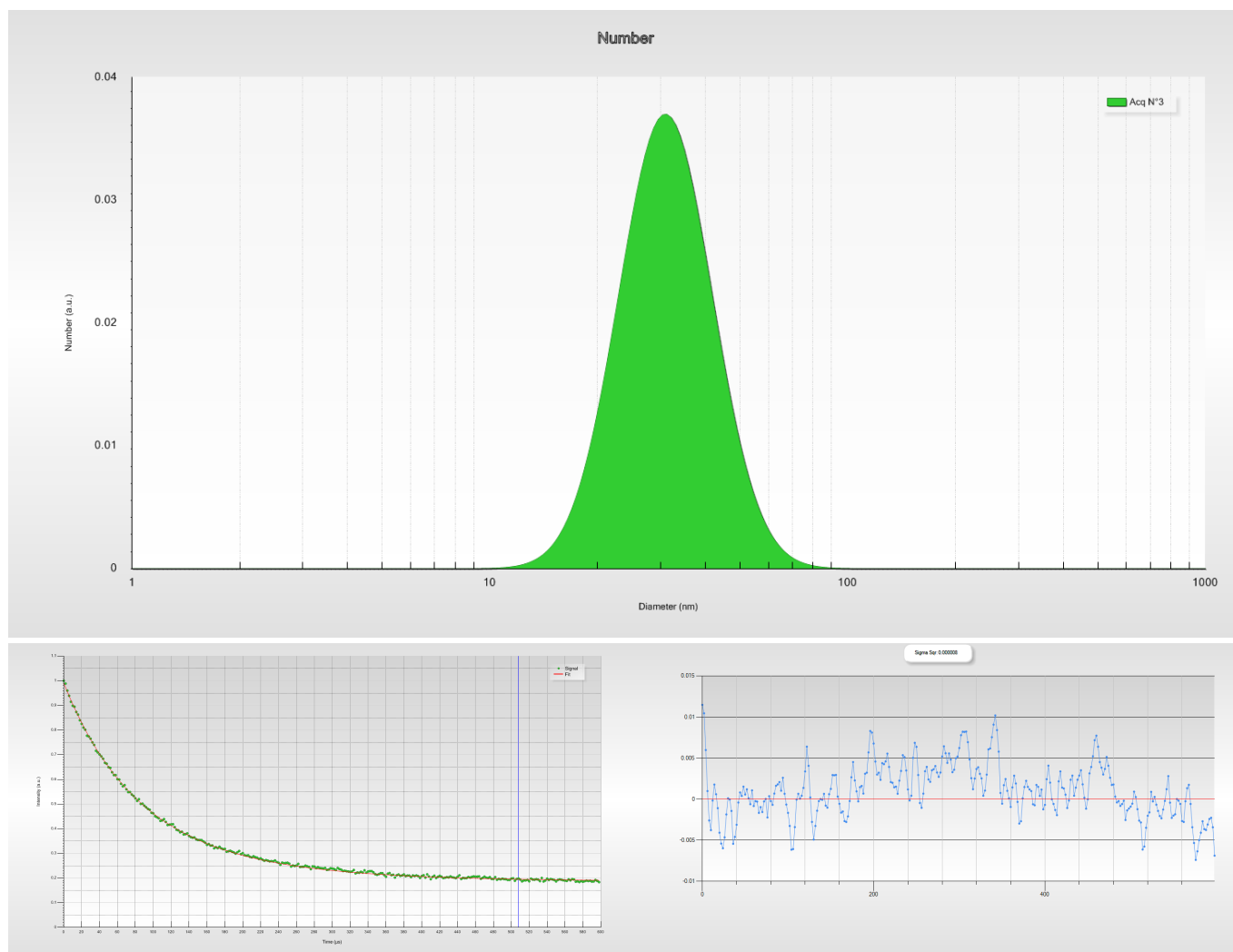
Di 50%: 52.83 nm

Di 90%: 77.91 nm

Std Dev: 30.43%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
46.04	0.8	5654.49	10.69737E-012



Distribution statistics

Dn 10%: 21.15 nm
Mean Number: 32.33 nm
PDI : 0.3704

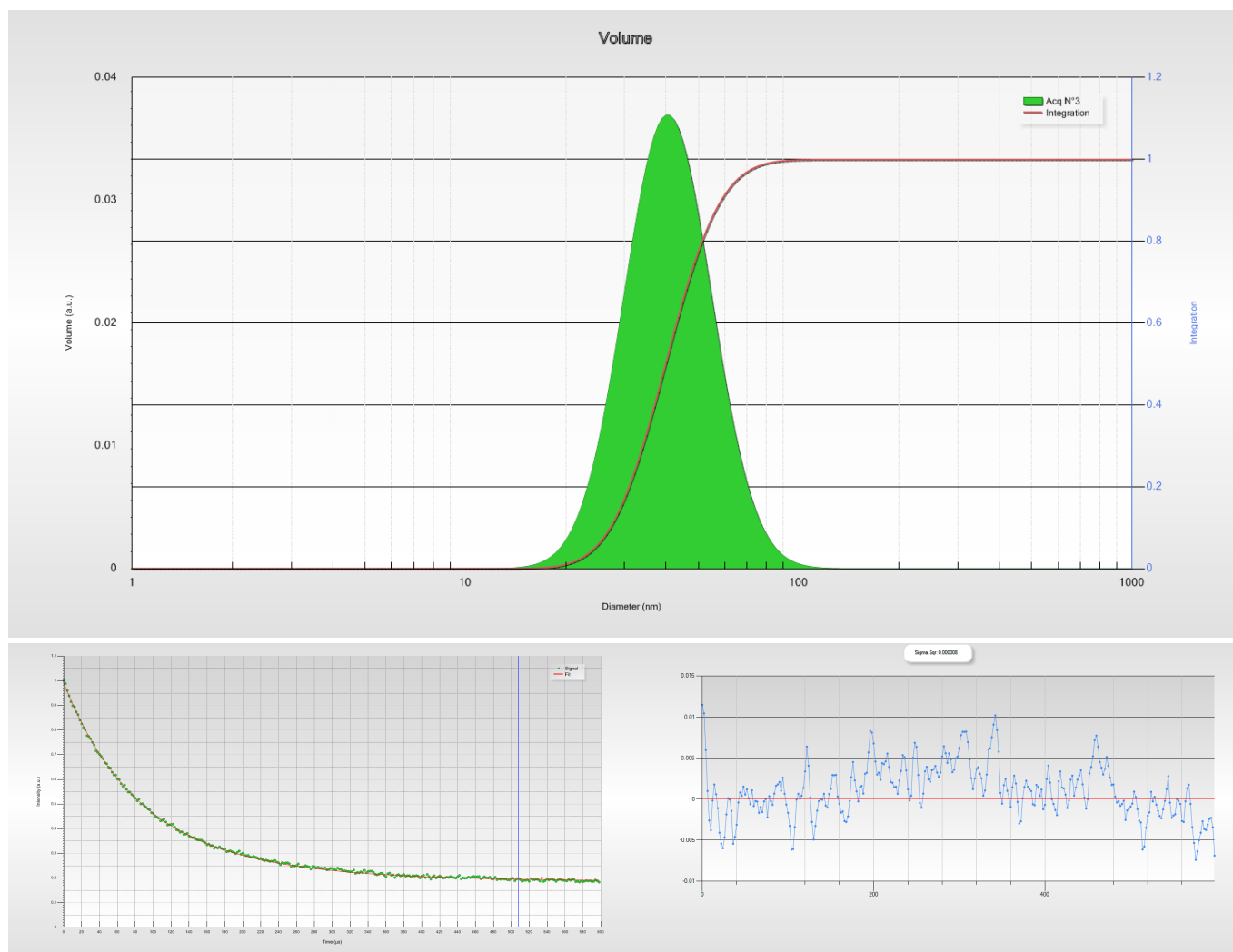
Dn 50%: 31.19 nm

Dn 90%: 44.73 nm

Std Dev: 30.43%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
46.04	0.8	5654.49	10.69737E-012

**Distribution statistics**

Dv 10%: 27.91 nm
Mean Volume: 42.3 nm
PDI : 0.3704

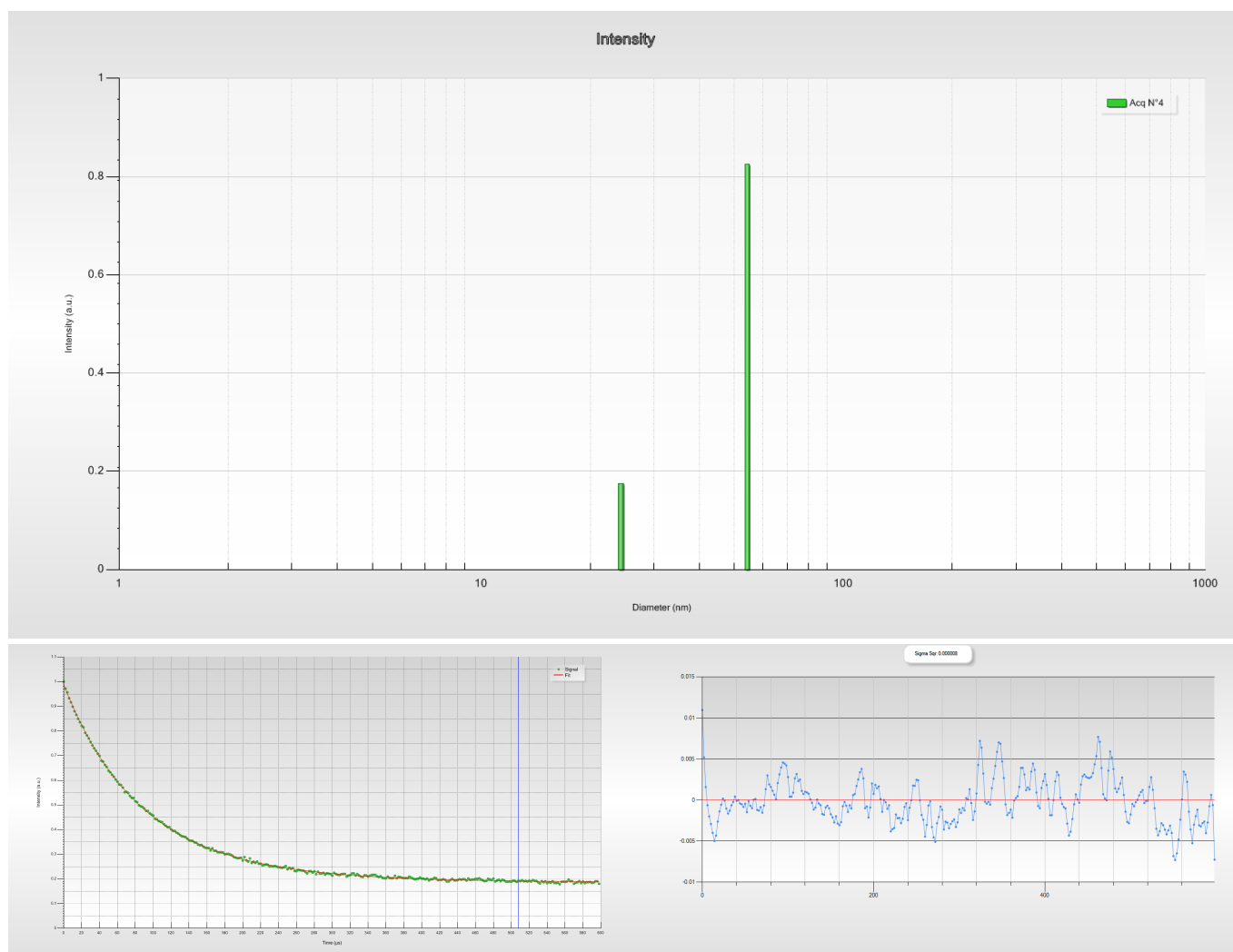
Dv 50%: 40.03 nm

Dv 90%: 59.03 nm

Std Dev: 30.43%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
46.04	0.8	5654.49	10.69737E-012



Dispersion statistics

Di 10%: 24.3 nm
Mean Intensity: 49.07 nm

Di 50%: 54.32 nm

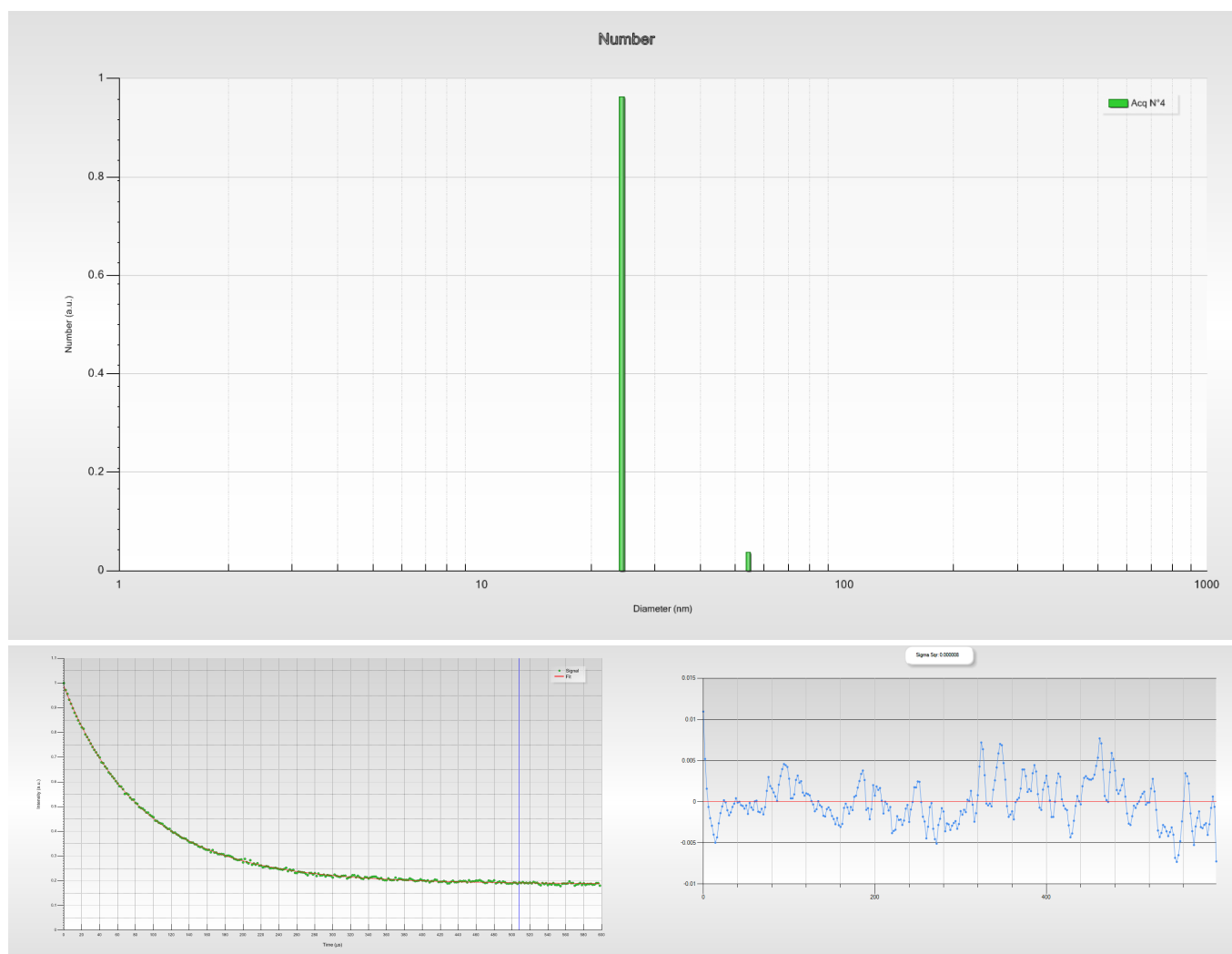
Di 90%: 54.32 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
24.31	0.16	10686.39	20.21691E-012
55.03	0.74	4720.81	89.31016E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
24.3	0.17	54.32	0.83



Dispersion statistics

Dn 10%: 24.3 nm
Mean Number: 25.42 nm

Dn 50%: 24.3 nm

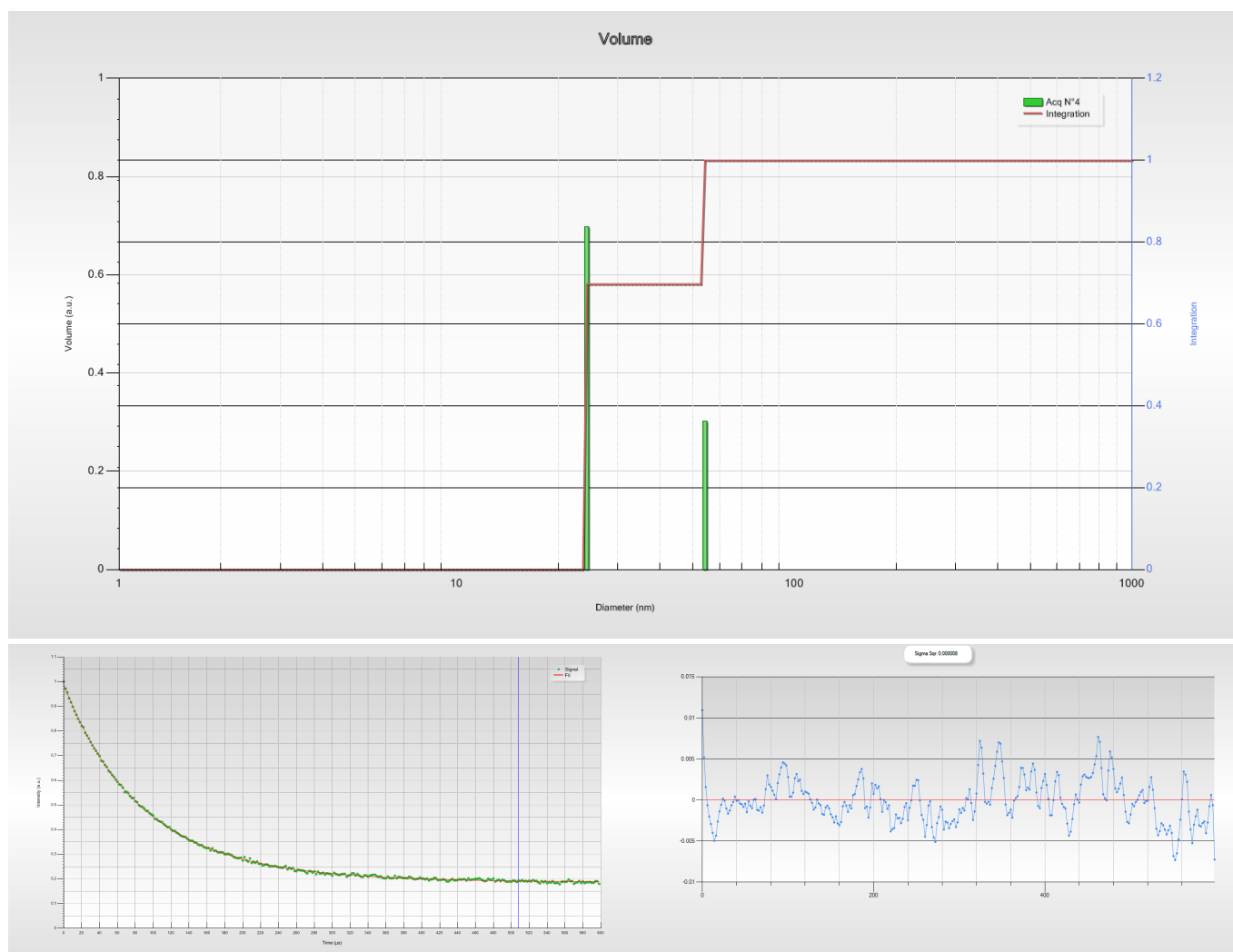
Dn 90%: 24.3 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
24.31	0.16	10686.39	20.21691E-012
55.03	0.74	4720.81	89.31016E-013

Dispersion datas

Size (nm)	Number	Size (nm)	Number
24.3	0.96	54.32	0.04



Dispersion statistics

Dv 10%: 24.3 nm
Mean Volume: 33.39 nm

Dv 50%: 24.3 nm

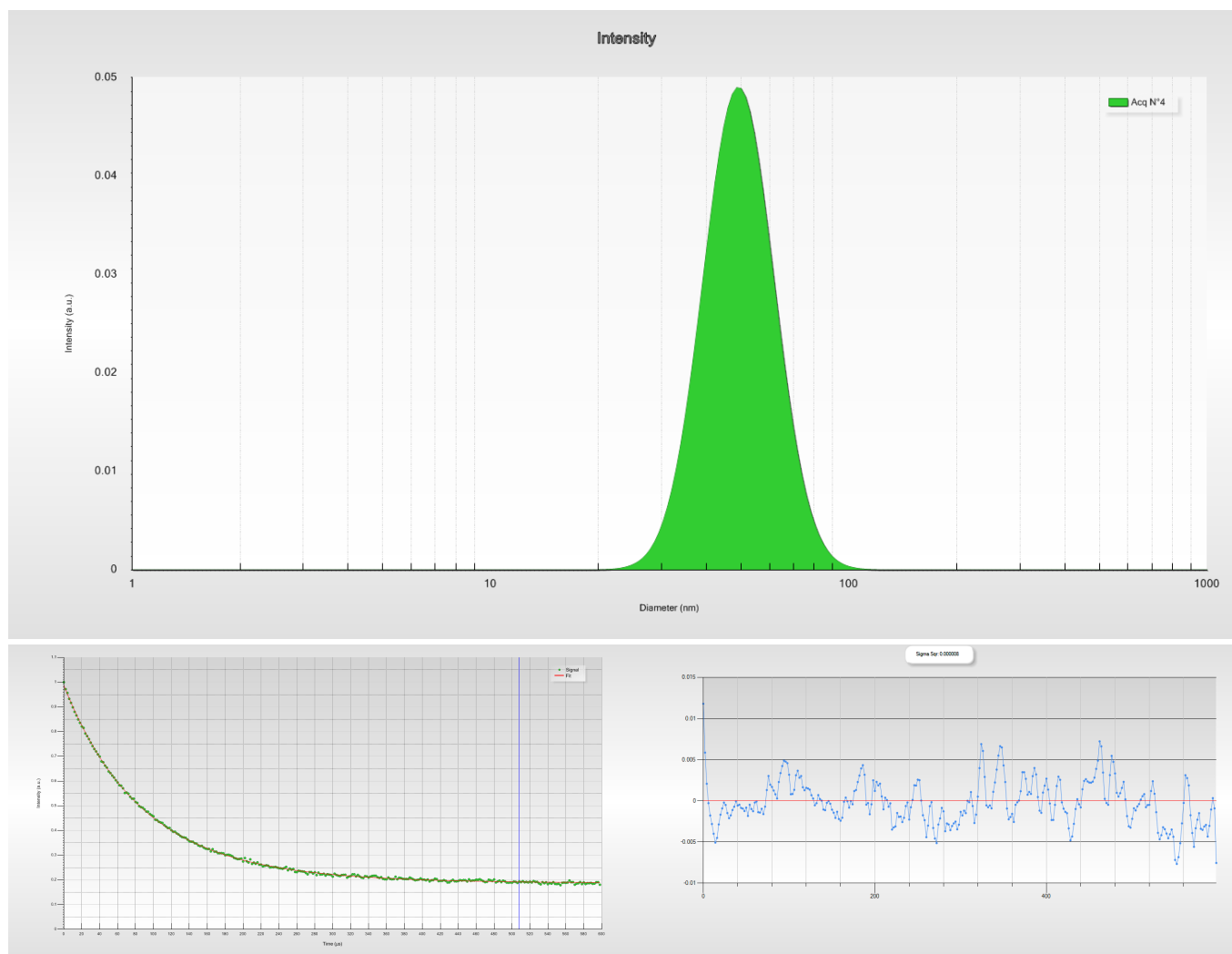
Dv 90%: 54.32 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
24.31	0.16	10686.39	20.21691E-012
55.03	0.74	4720.81	89.31016E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
24.3	0.7	54.32	0.3

**Distribution statistics**

Di 10%: 36.84 nm
Mean Intensity: 50.4 nm
PDI : 0.20892

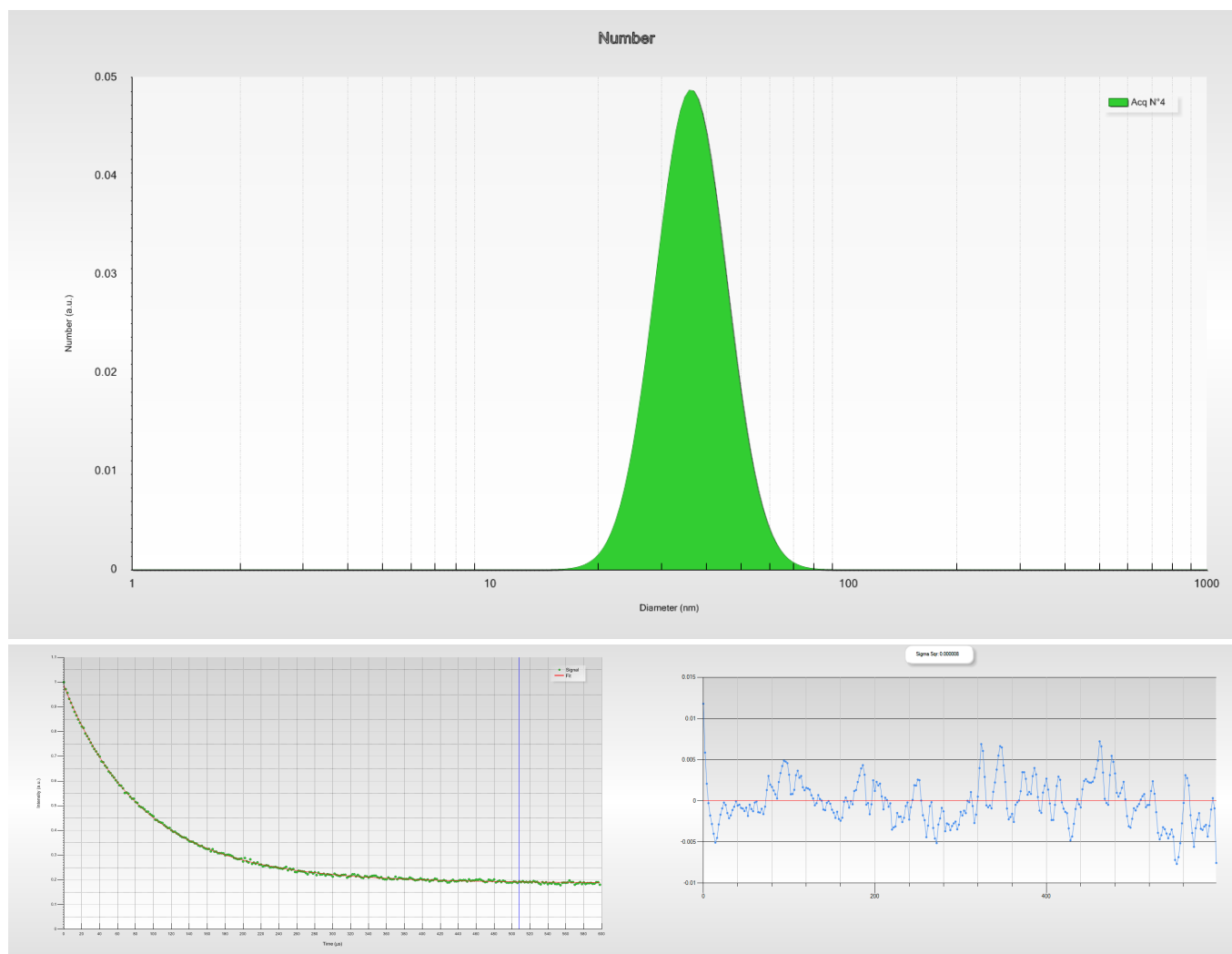
Di 50%: 48.61 nm

Di 90%: 65.96 nm

Std Dev: 22.85%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.51	0.8	5708.51	10.79958E-012

**Distribution statistics**

Dn 10%: 27.15 nm
Mean Number: 37.2 nm
PDI : 0.20892

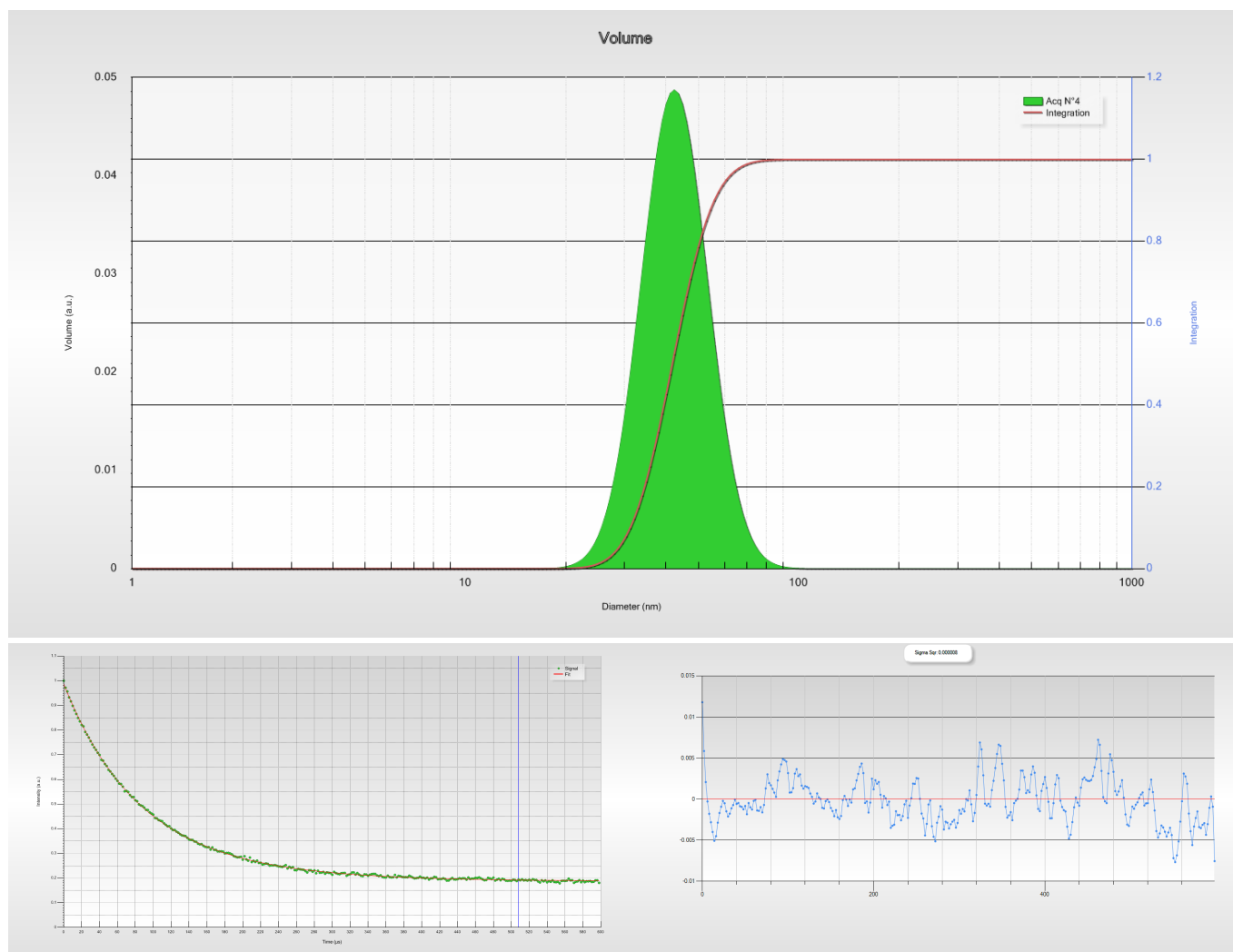
Dn 50%: 35.83 nm

Dn 90%: 48.61 nm

Std Dev: 22.85%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.51	0.8	5708.51	10.79958E-012

**Distribution statistics**

Dv 10%: 32.06 nm
Mean Volume: 43.42 nm
PDI : 0.20892

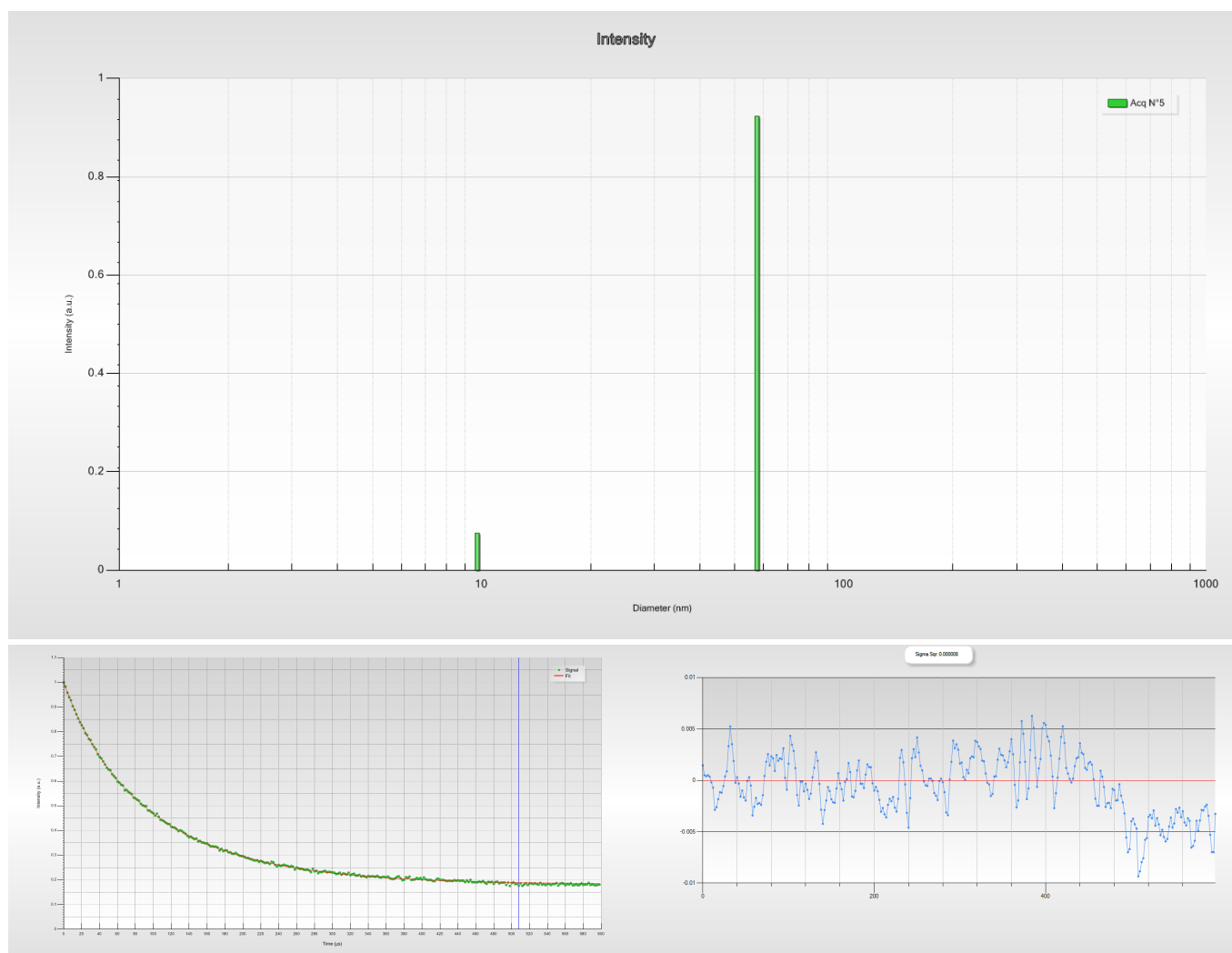
Dv 50%: 42.32 nm

Dv 90%: 55.85 nm

Std Dev: 22.85%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
45.51	0.8	5708.51	10.79958E-012



Dispersion statistics

Di 10%: 57.42 nm
Mean Intensity: 53.8 nm

Di 50%: 57.42 nm

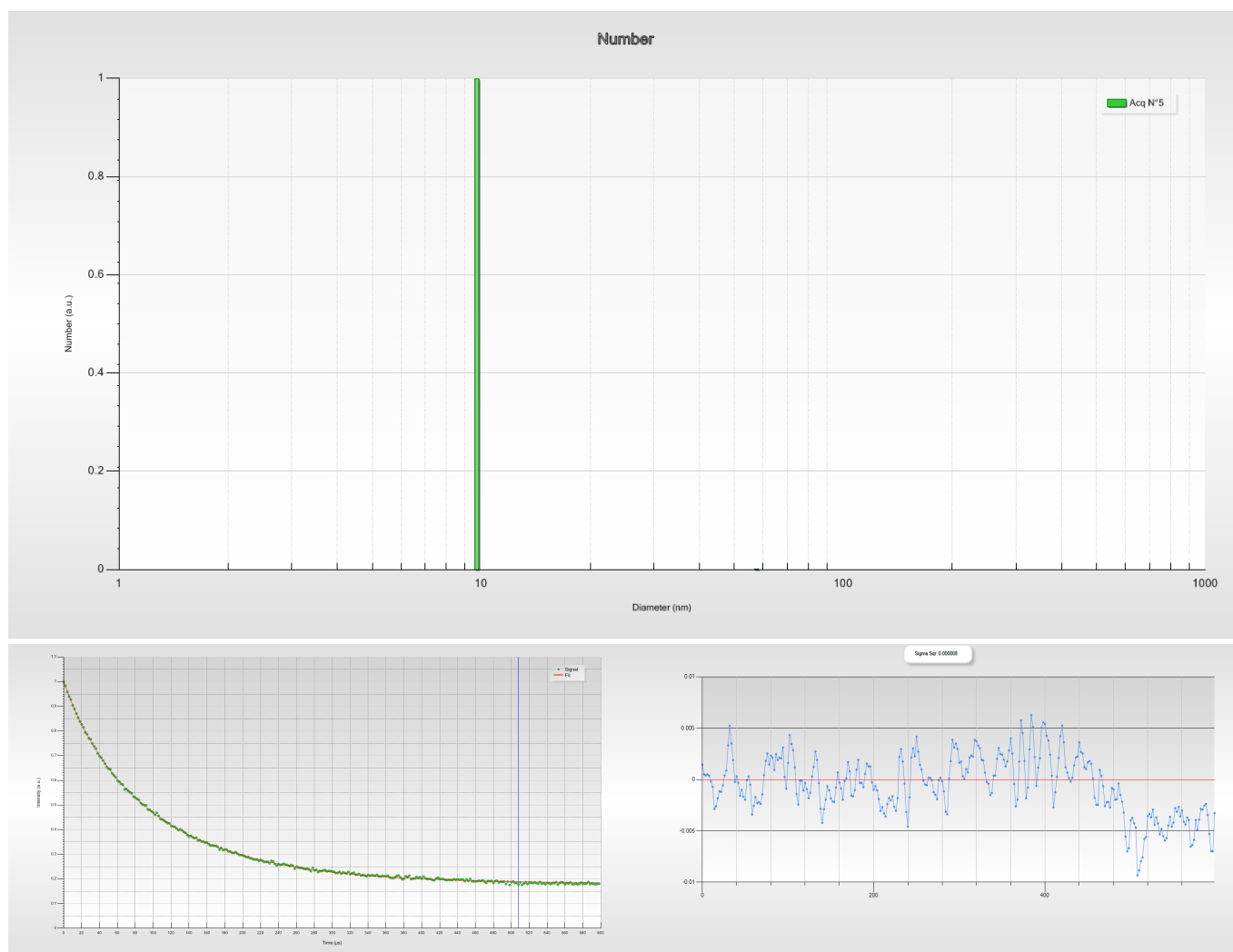
Di 90%: 57.42 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
9.79	0.07	26539.97	50.20933E-012
57.06	0.84	4553.16	86.13837E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
9.73	0.08	57.42	0.92



Dispersion statistics

Dn 10%: 9.73 nm
Mean Number: 9.74 nm

Dn 50%: 9.73 nm

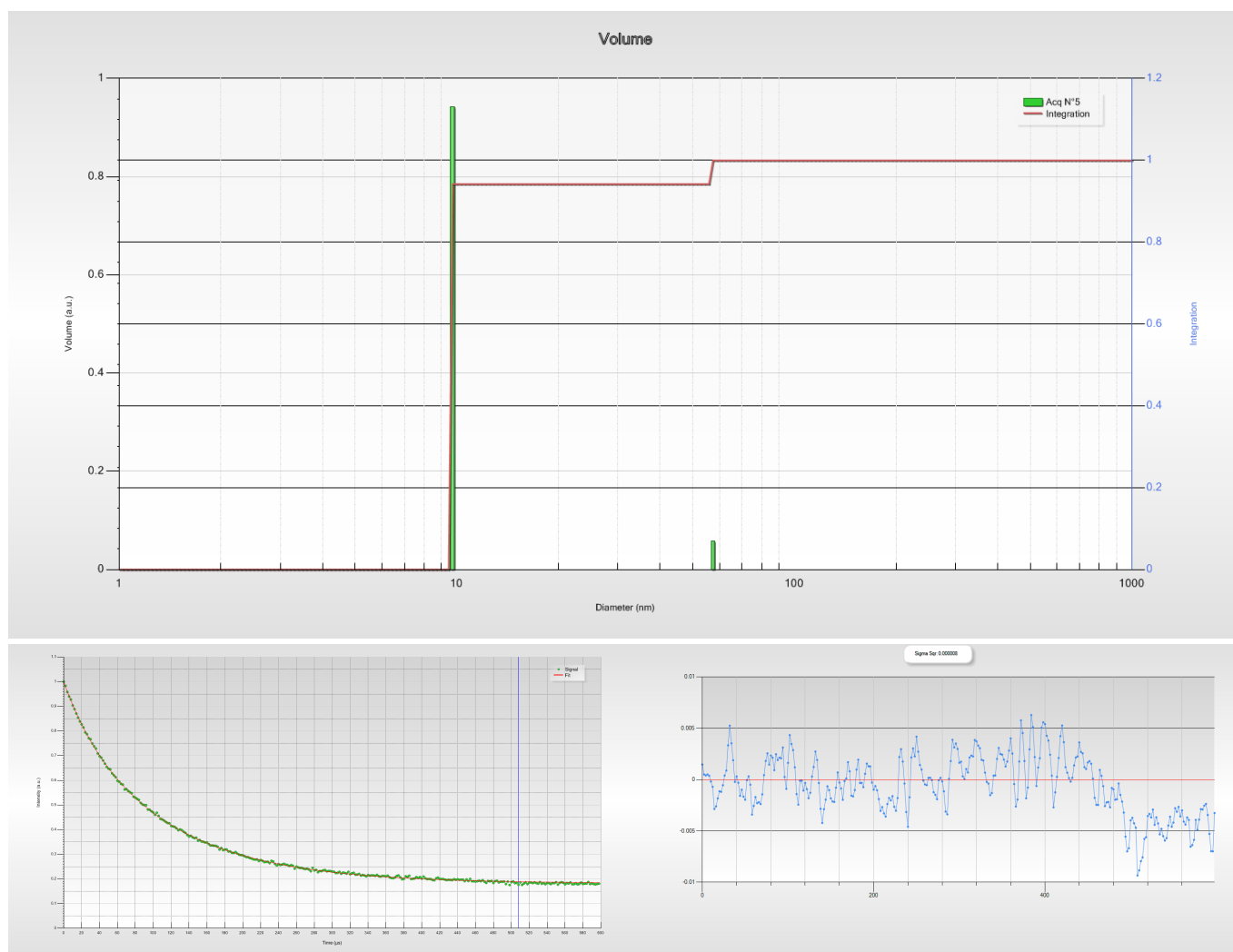
Dn 90%: 9.73 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
9.79	0.07	26539.97	50.20933E-012
57.06	0.84	4553.16	86.13837E-013

Dispersion datas

Size (nm)	Number
9.73	1



Dispersion statistics

Dv 10%: 9.73 nm
Mean Volume: 12.48 nm

Dv 50%: 9.73 nm

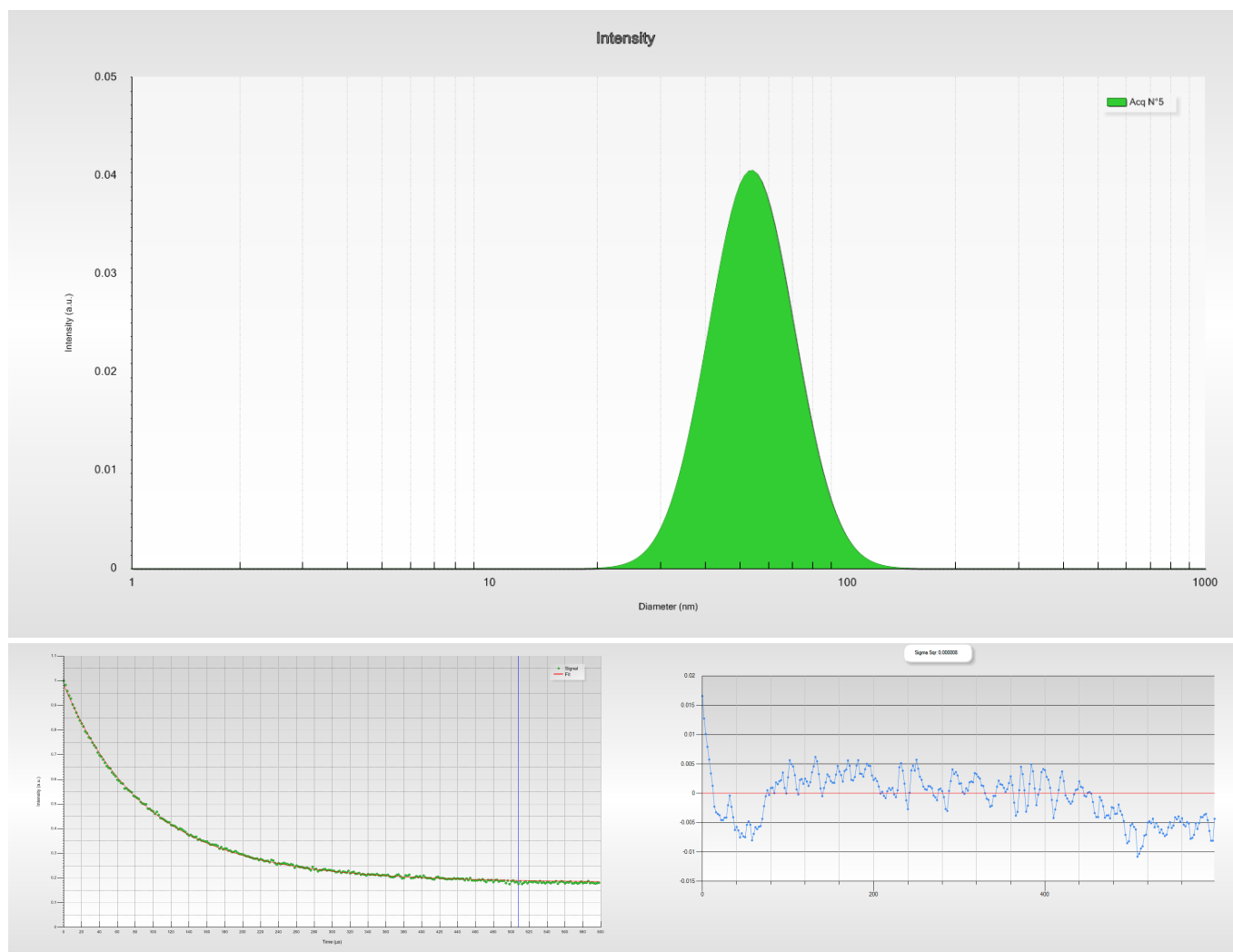
Dv 90%: 9.73 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
9.79	0.07	26539.97	50.20933E-012
57.06	0.84	4553.16	86.13837E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
9.73	0.94	57.42	0.06

**Distribution statistics**

Di 10%: 37.87 nm
Mean Intensity: 55.83 nm
PDI : 0.3091

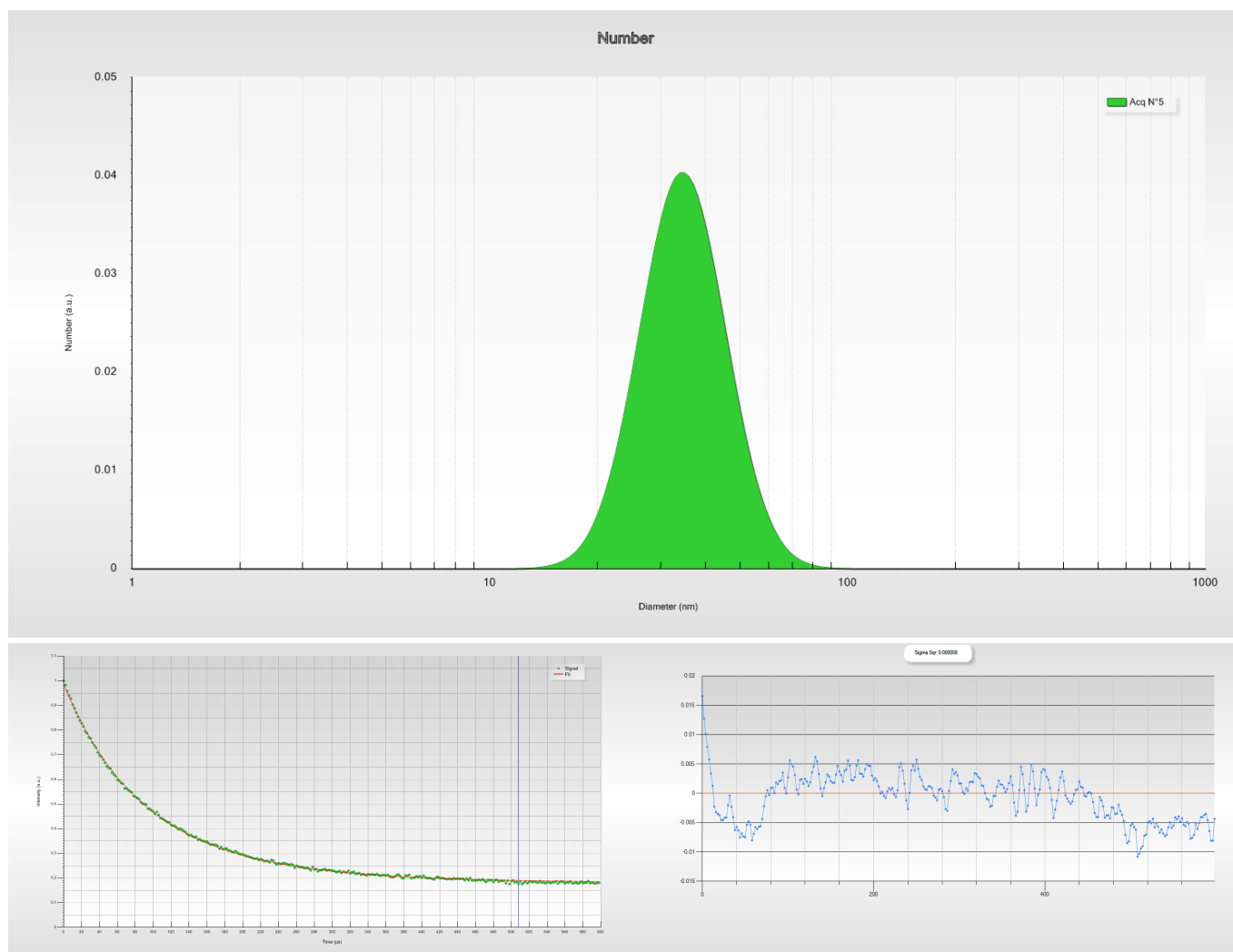
Di 50%: 54.32 nm

Di 90%: 75.77 nm

Std Dev: 27.8%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
48.1	0.8	5400.76	10.21737E-012



Distribution statistics

Dn 10%: 24.3 nm
Mean Number: 35.82 nm
PDI : 0.3091

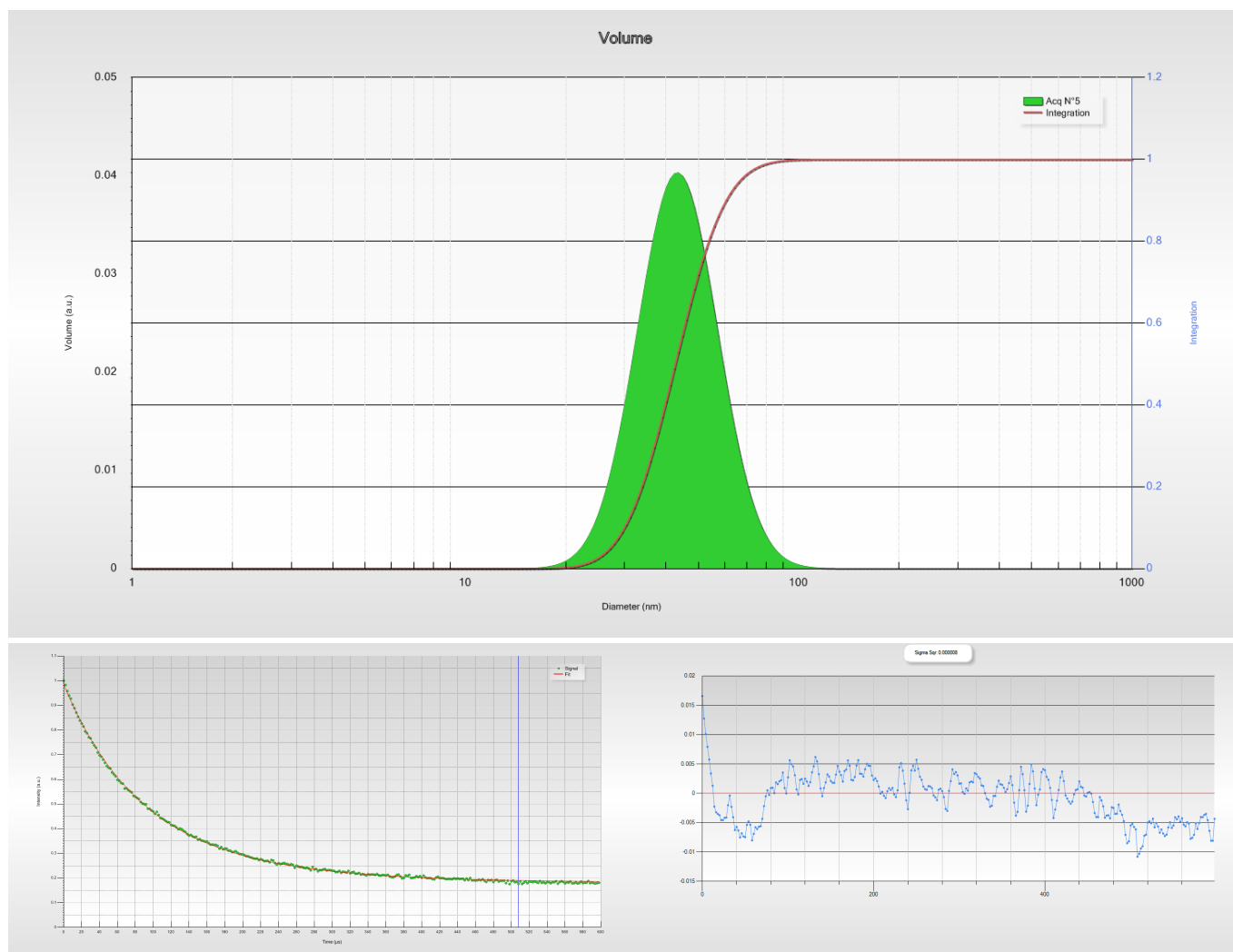
Dn 50%: 34.85 nm

Dn 90%: 48.61 nm

Std Dev: 27.8%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
48.1	0.8	5400.76	10.21737E-012

**Distribution statistics**

Dv 10%: 30.33 nm
Mean Volume: 44.9 nm
PDI : 0.3091

Dv 50%: 43.51 nm

Dv 90%: 60.69 nm

Std Dev: 27.8%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
48.1	0.8	5400.76	10.21737E-012