

Sample

Name : GNP_11.4.16_2.5_1k_1
Mesured On : 11.04.2016 18:21
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	: 67.5 %	Wavelength	: 657 nm
DTC Position	: UP		

Liquid Medium

Refractive index	: 1.331	Viscosity	: 0.888 cP
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Particles

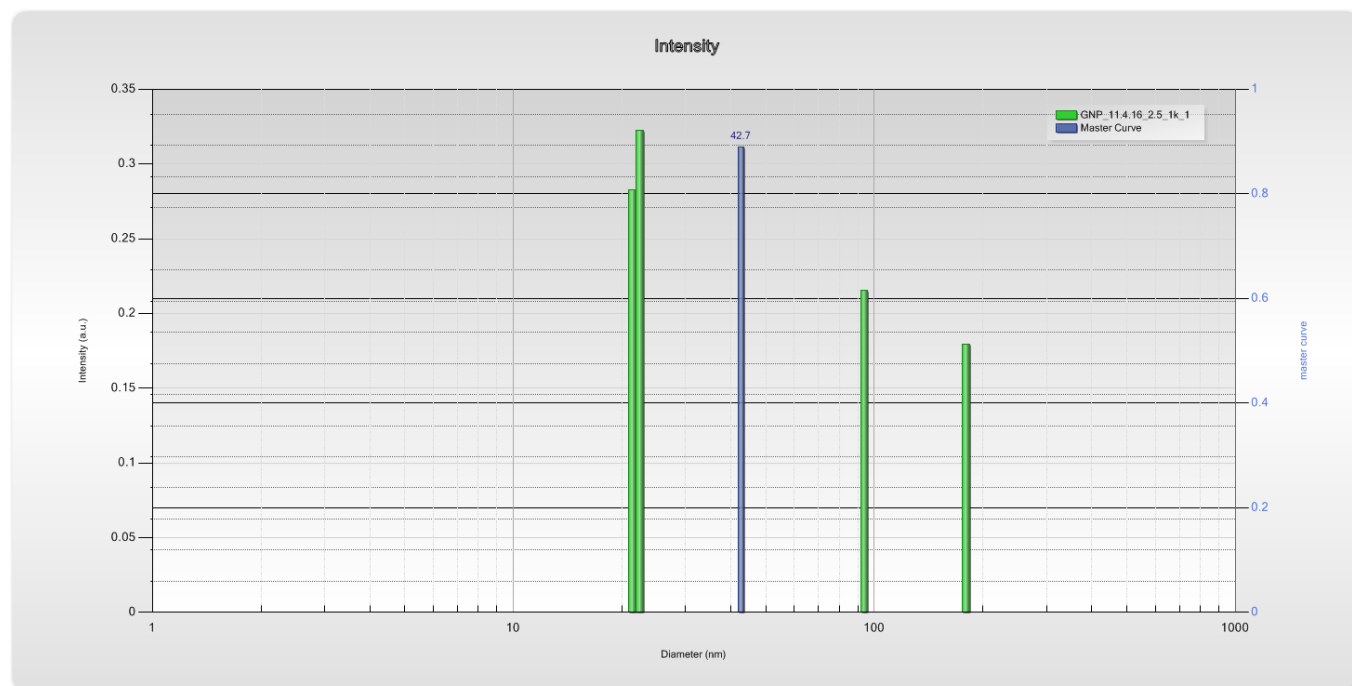
Real part	: 1.56	Imaginary part	: 0.01
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Algorithm

Pade Laplace	Cumulants
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Measurement

Average count rate : 2492 kcps **Duration** : 00:05:15
Number of rejected : 3 **Number of modified** : 0



Dispersion statistics

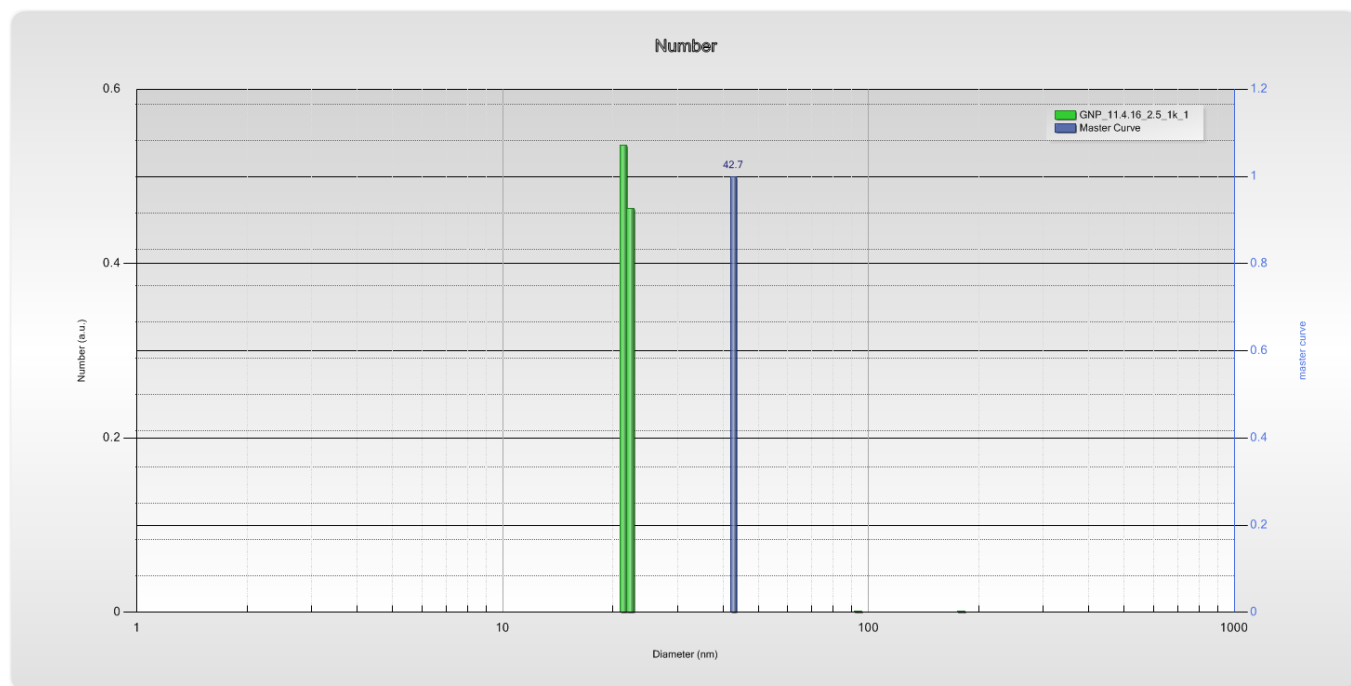
Di 10%: 21.35 nm

Di 50%: 22.36 nm

Di 90%: 179.07 nm

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity
21.35	0.28	93.73	0.22				
22.36	0.32	179.07	0.18				



Dispersion statistics

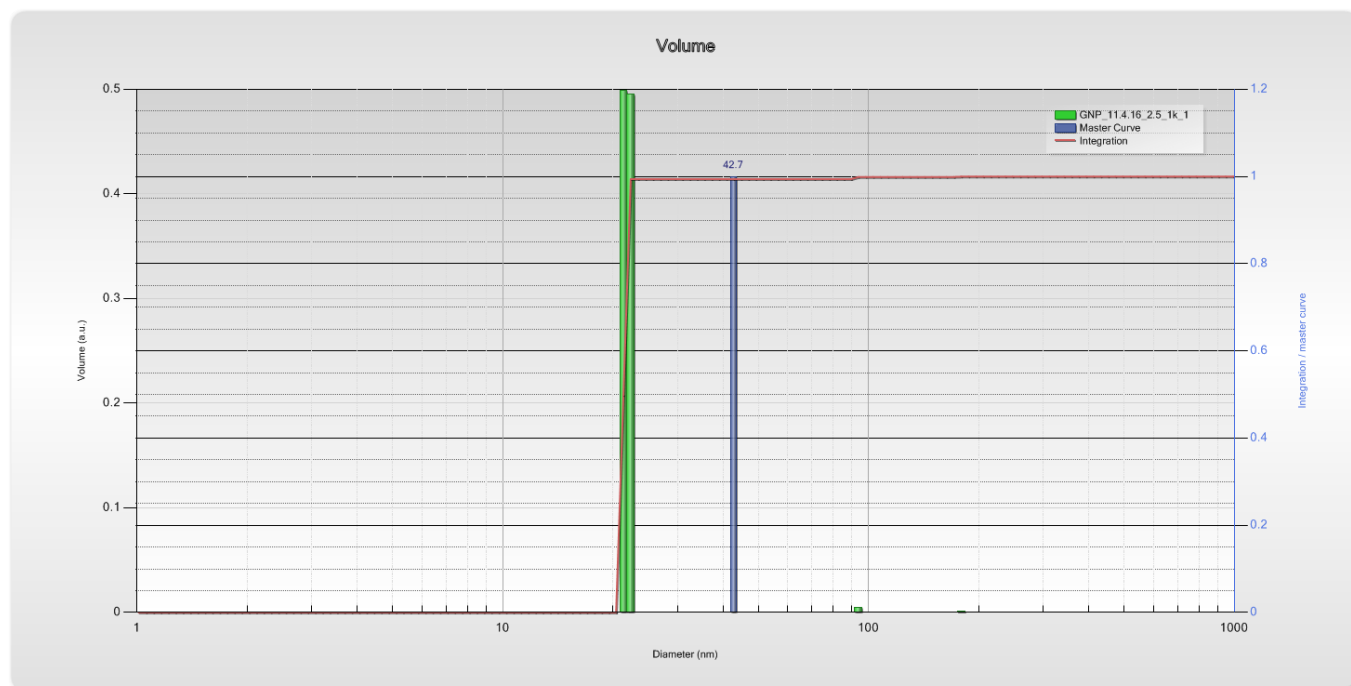
Dn 10%: 21.35 nm

Dn 50%: 21.35 nm

Dn 90%: 22.36 nm

Dispersion datas

Size (nm)	Number	Size (nm)	Number
21.35	0.54	22.36	0.46



Dispersion statistics

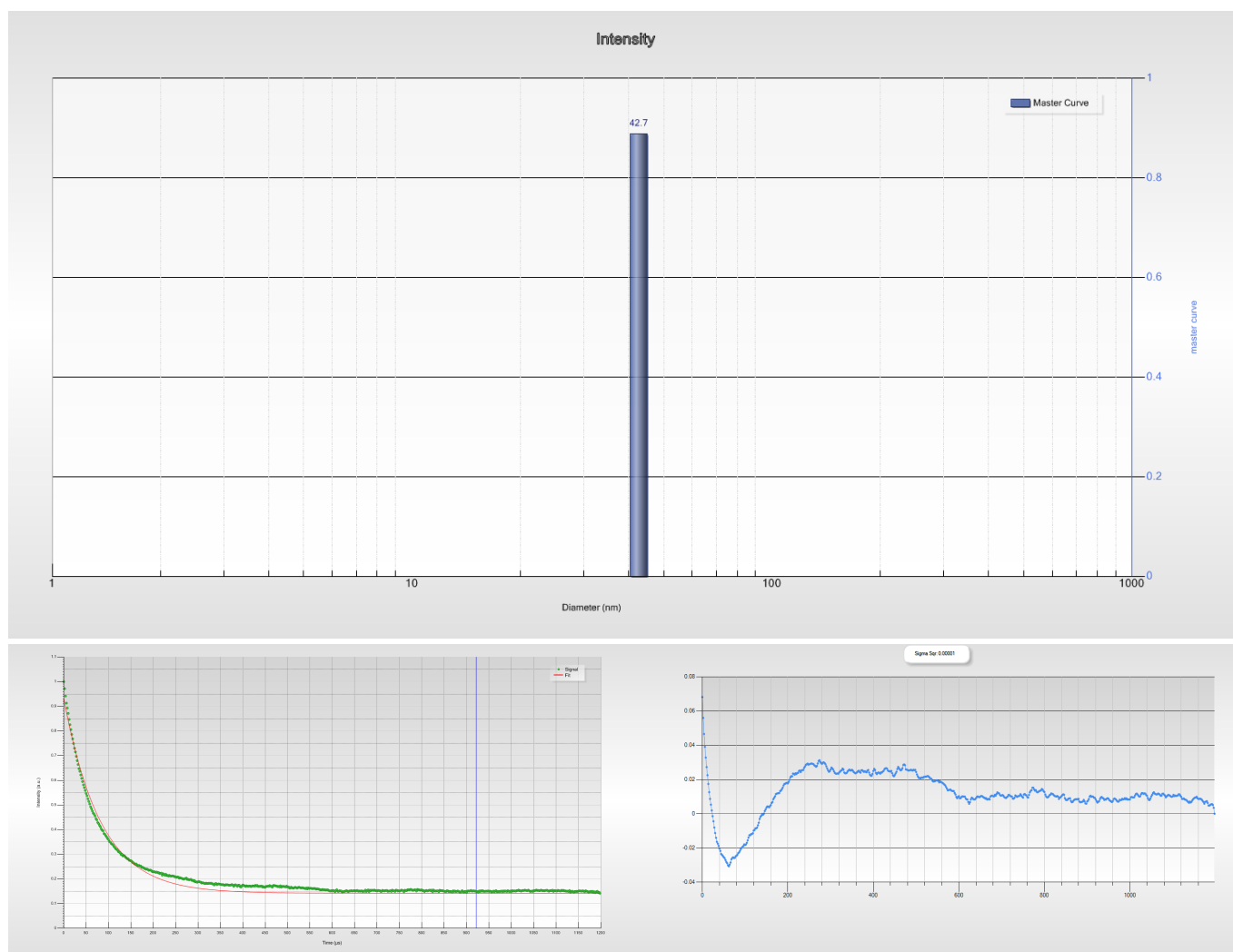
Dv 10%: 21.35 nm

Dv 50%: 22.36 nm

Dv 90%: 22.36 nm

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
21.35	0.5	22.36	0.5



Dispersion statistics

Di 10%: 42.71 nm
Mean Intensity: 42.71 nm

Di 50%: 42.71 nm

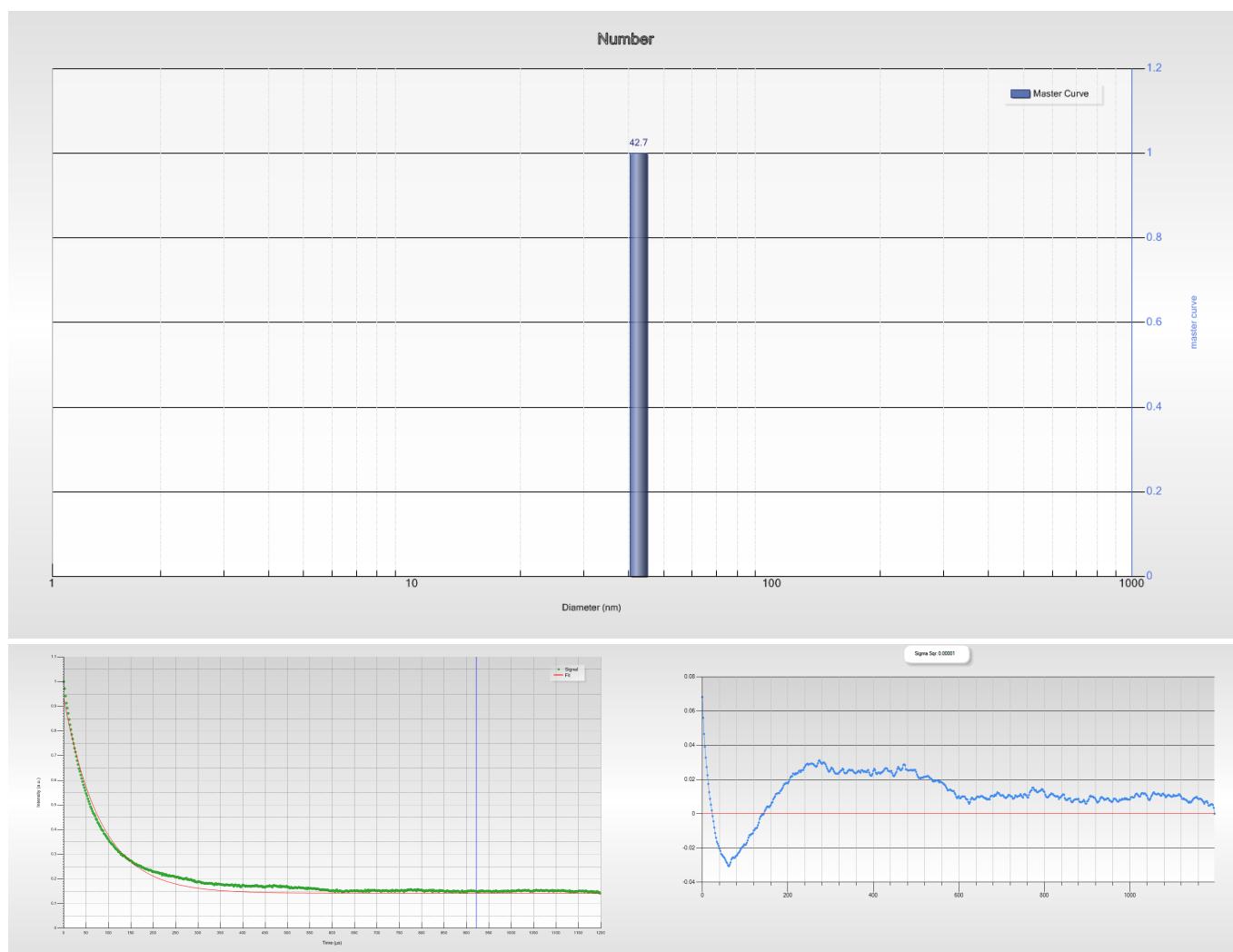
Di 90%: 42.71 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
42.82	0.89	6068.71	11.48101E-012

Dispersion datas

Size (nm)	Intensity
42.71	1



Dispersion statistics

Dn 10%: 42.71 nm
Mean Number: 42.71 nm

Dn 50%: 42.71 nm

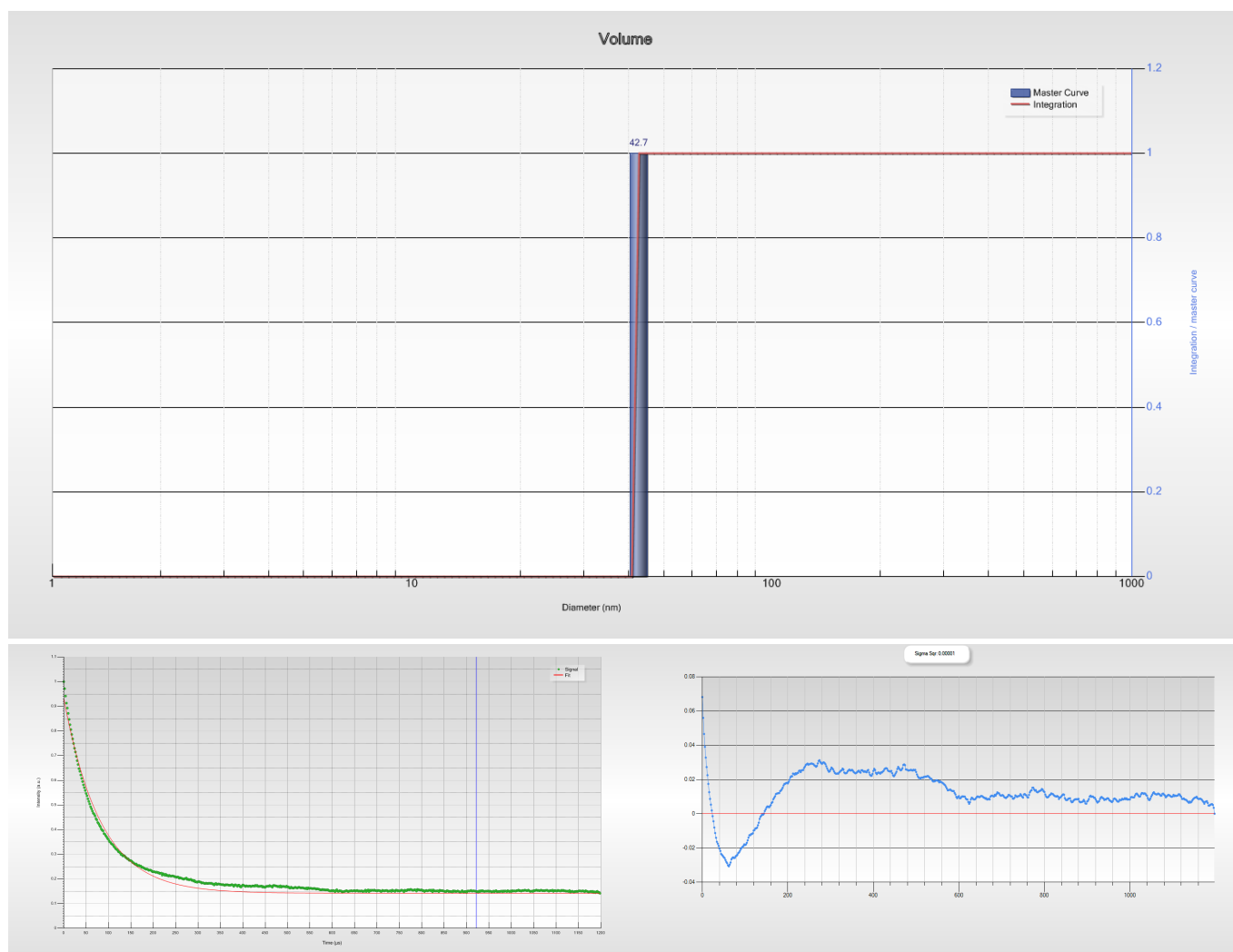
Dn 90%: 42.71 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
42.82	0.89	6068.71	11.48101E-012

Dispersion datas

Size (nm)	Number
42.71	1



Dispersion statistics

Dv 10%: 42.71 nm
Mean Volume: 42.71 nm

Dv 50%: 42.71 nm

Dv 90%: 42.71 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
42.82	0.89	6068.71	11.48101E-012

Dispersion datas

Size (nm)	Volume
42.71	1



Distribution statistics

Di 10%: 30.9 nm
Mean Intensity: 49.38 nm
PDI : 0.43449

Di 50%: 46.85 nm

Di 90%: 71.02 nm

Std Dev: 32.96%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
40.18	0.8	6467.52	12.2355E-012



Distribution statistics

Dn 10%: 16.94 nm
Mean Number: 26.67 nm
PDI : 0.43449

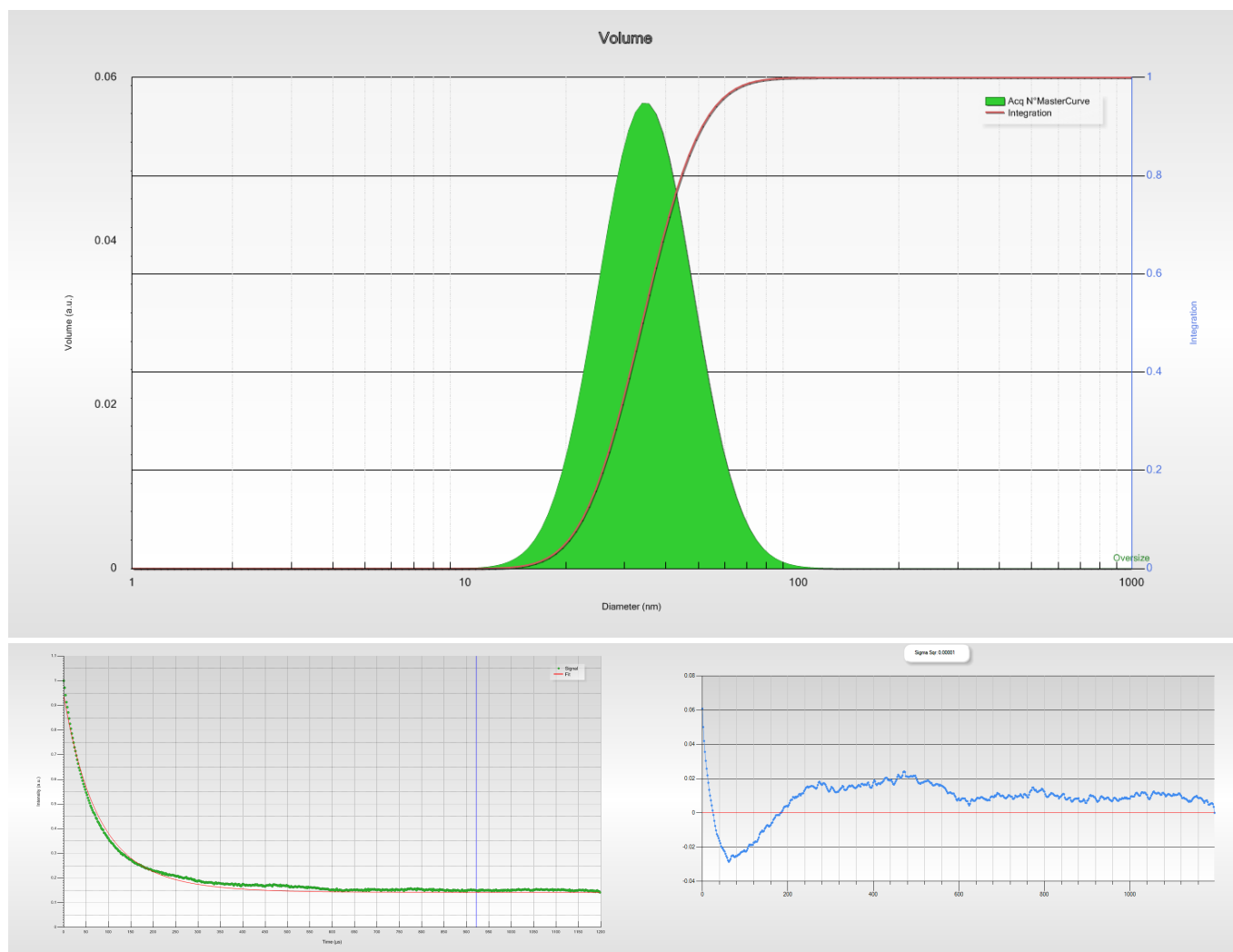
Dn 50%: 25.68 nm

Dn 90%: 38.94 nm

Std Dev: 32.96%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
40.18	0.8	6467.52	12.2355E-012



Distribution statistics

Dv 10%: 23.41 nm
Mean Volume: 36.52 nm
PDI : 0.43449

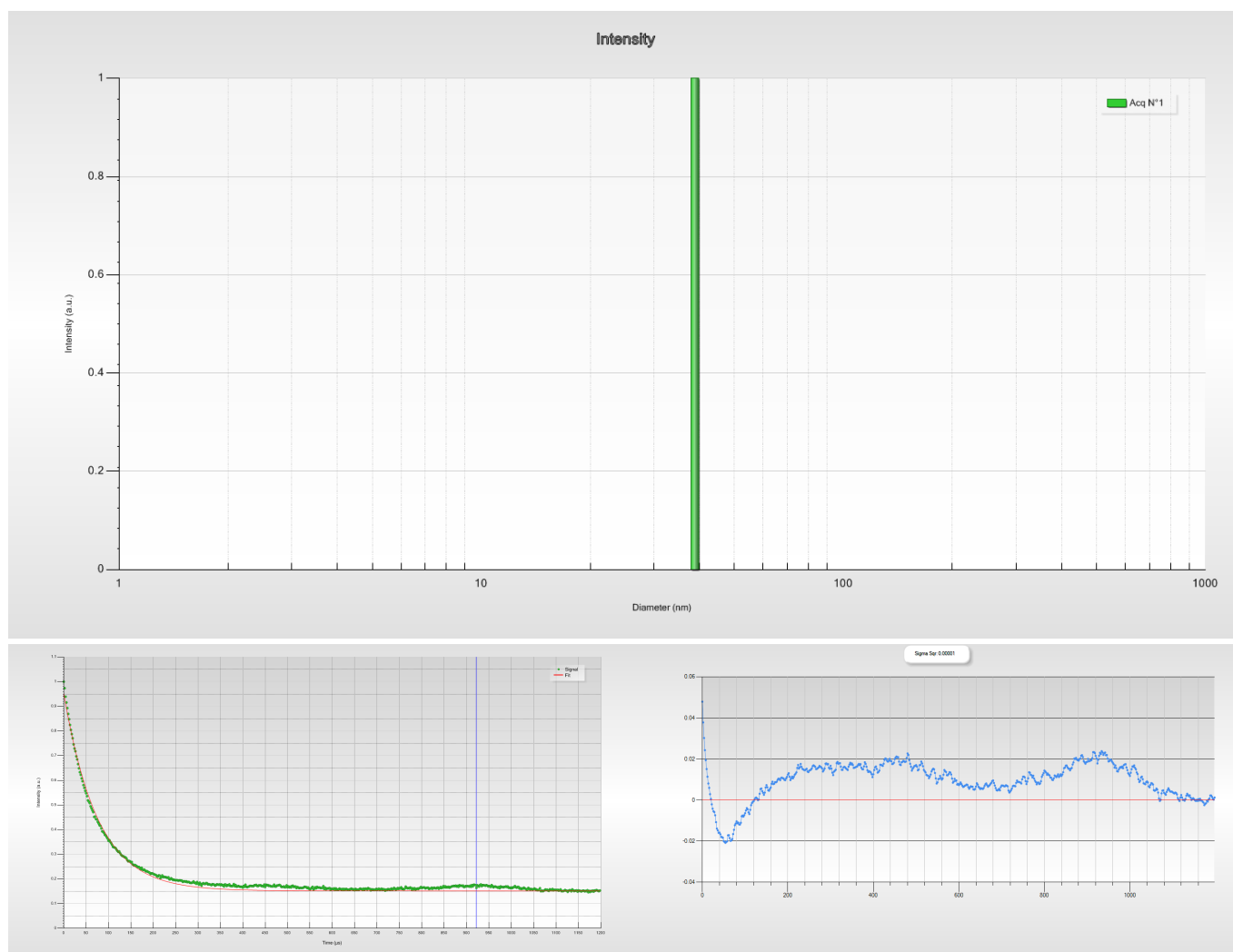
Dv 50%: 33.89 nm

Dv 90%: 51.39 nm

Std Dev: 32.96%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
40.18	0.8	6467.52	12.2355E-012



Dispersion statistics

Di 10%: 38.94 nm
Mean Intensity: 38.94 nm

Di 50%: 38.94 nm

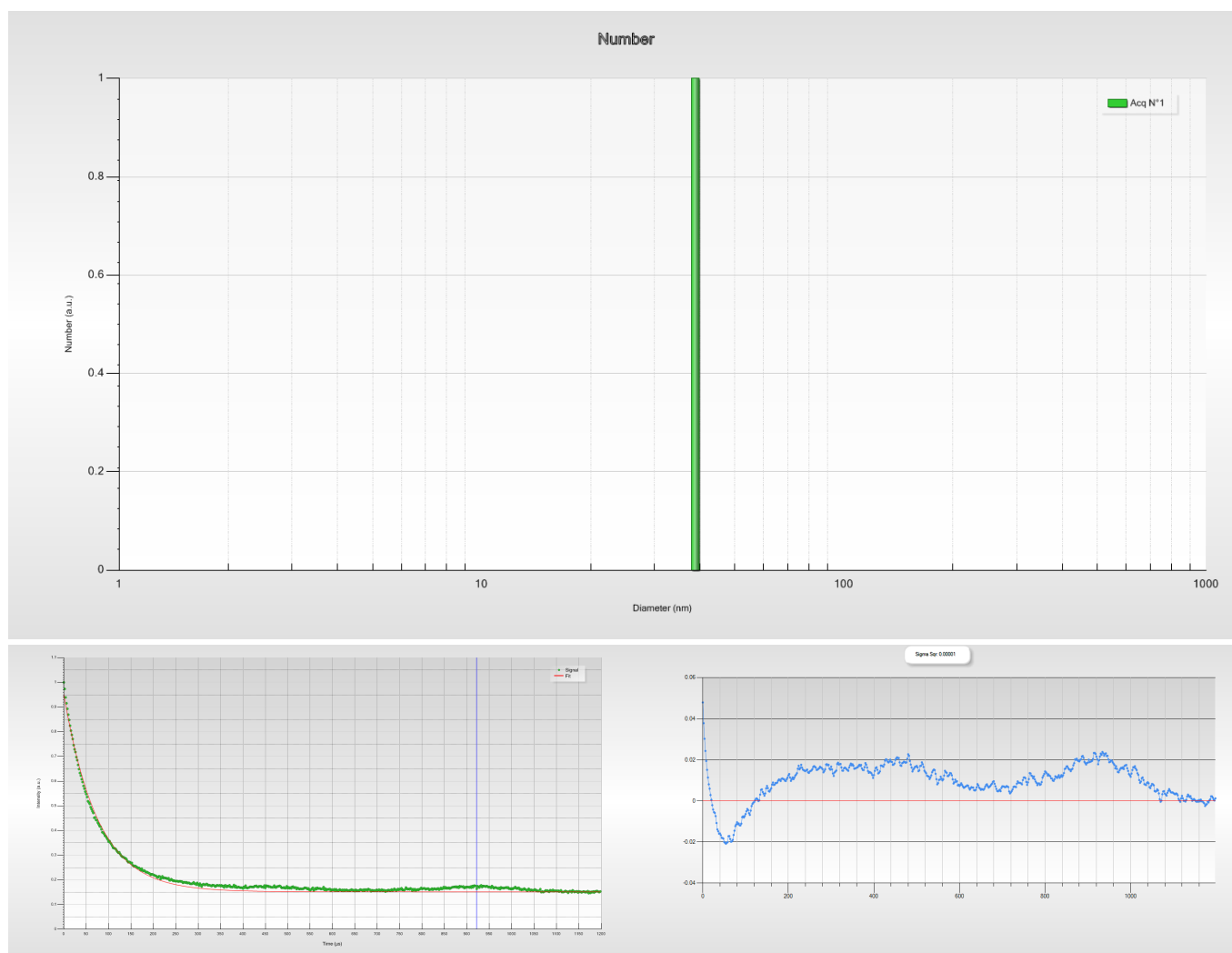
Di 90%: 38.94 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.31	0.9	6608.49	12.50219E-012

Dispersion datas

Size (nm)	Intensity
38.94	1



Dispersion statistics

Dn 10%: 38.94 nm
Mean Number: 38.94 nm

Dn 50%: 38.94 nm

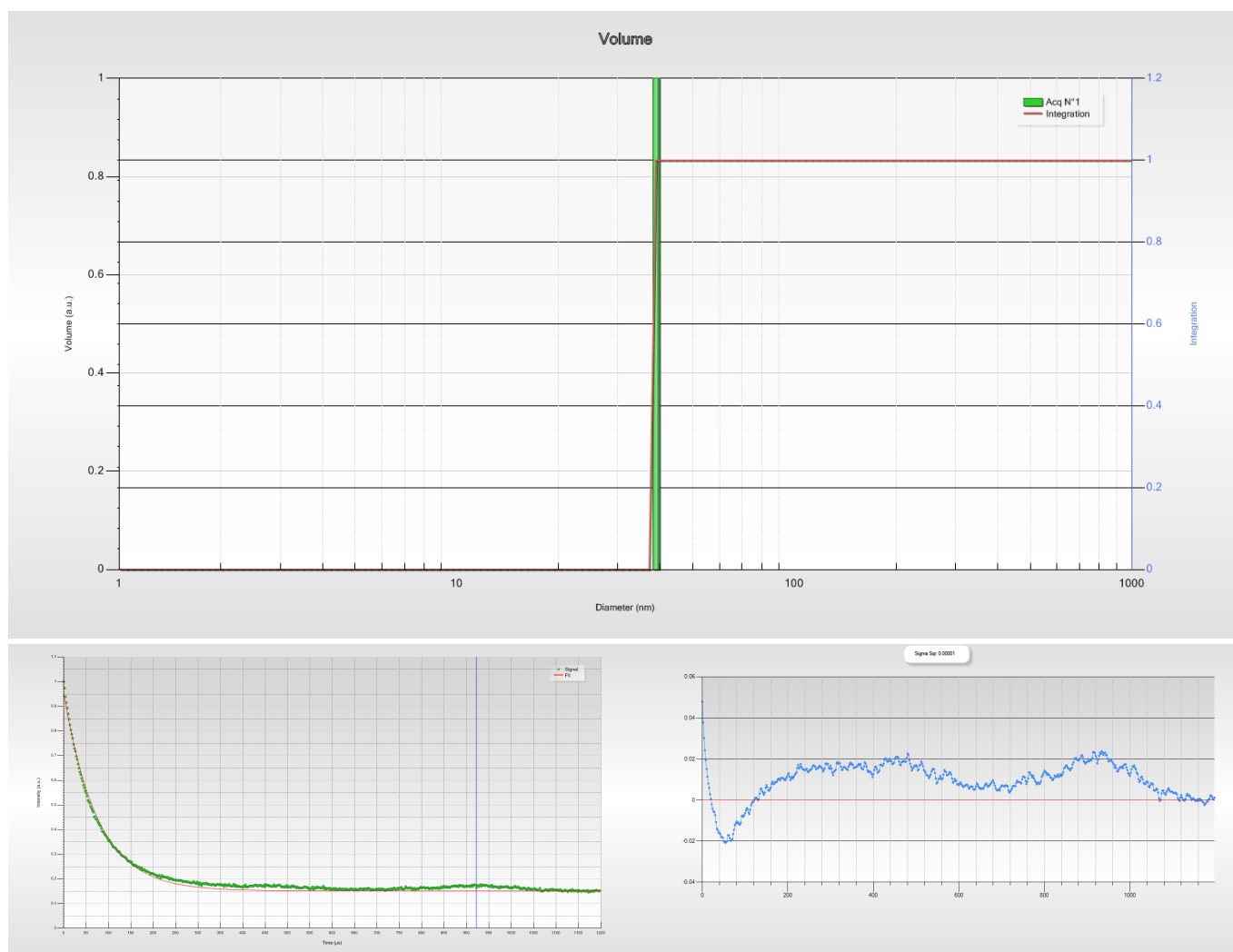
Dn 90%: 38.94 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.31	0.9	6608.49	12.50219E-012

Dispersion datas

Size (nm)	Number
38.94	1



Dispersion statistics

Dv 10%: 38.94 nm
Mean Volume: 38.94 nm

Dv 50%: 38.94 nm

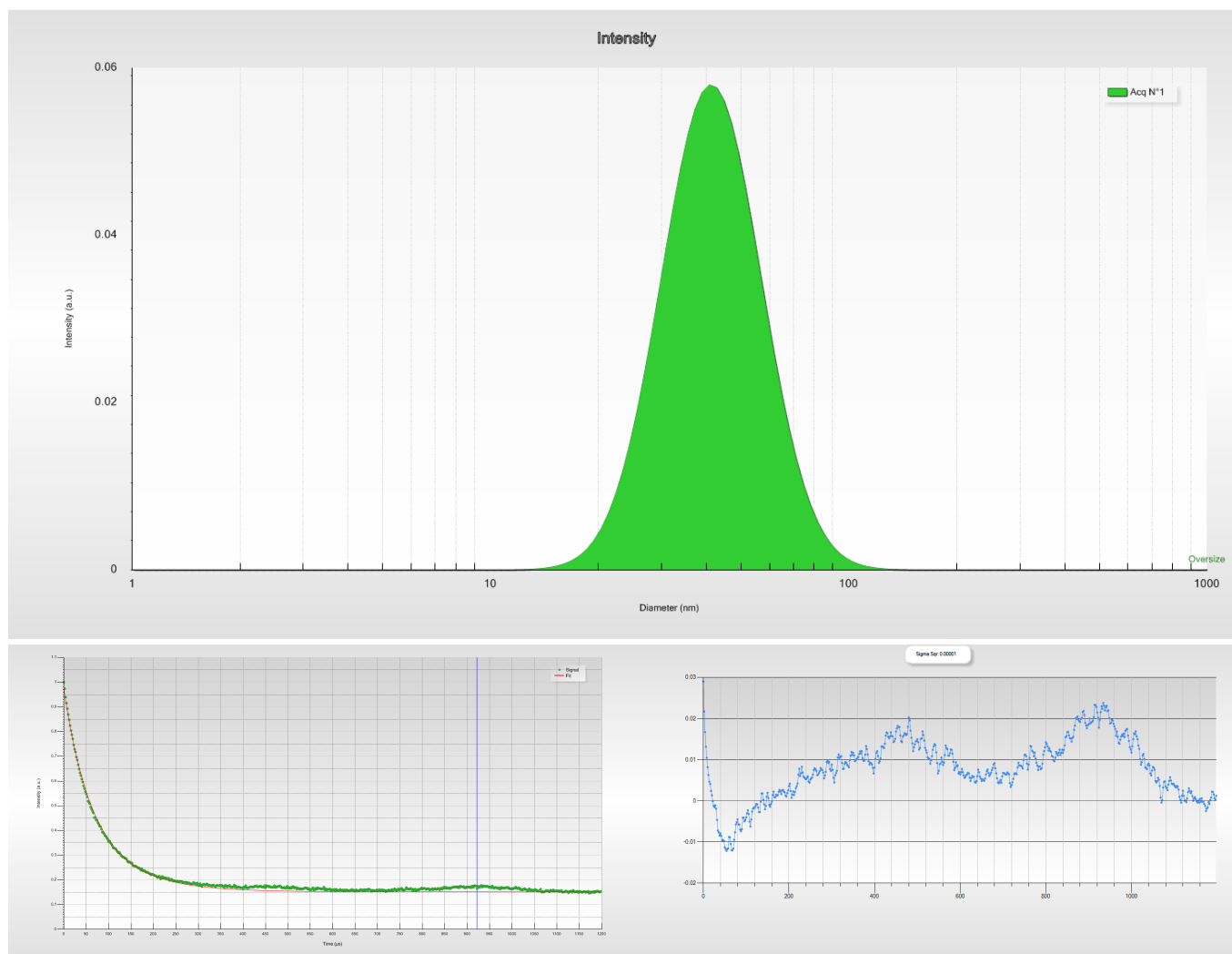
Dv 90%: 38.94 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.31	0.9	6608.49	12.50219E-012

Dispersion datas

Size (nm)	Volume
38.94	1

**Distribution statistics**

Di 10%: 26.9 nm
Mean Intensity: 43.35 nm
PDI : 0.4257

Di 50%: 40.78 nm

Di 90%: 61.83 nm

Std Dev: 32.62%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.4	0.82	7337.94	13.8822E-012

**Distribution statistics**

Dn 10%: 14.75 nm
Mean Number: 23.68 nm
PDI : 0.4257

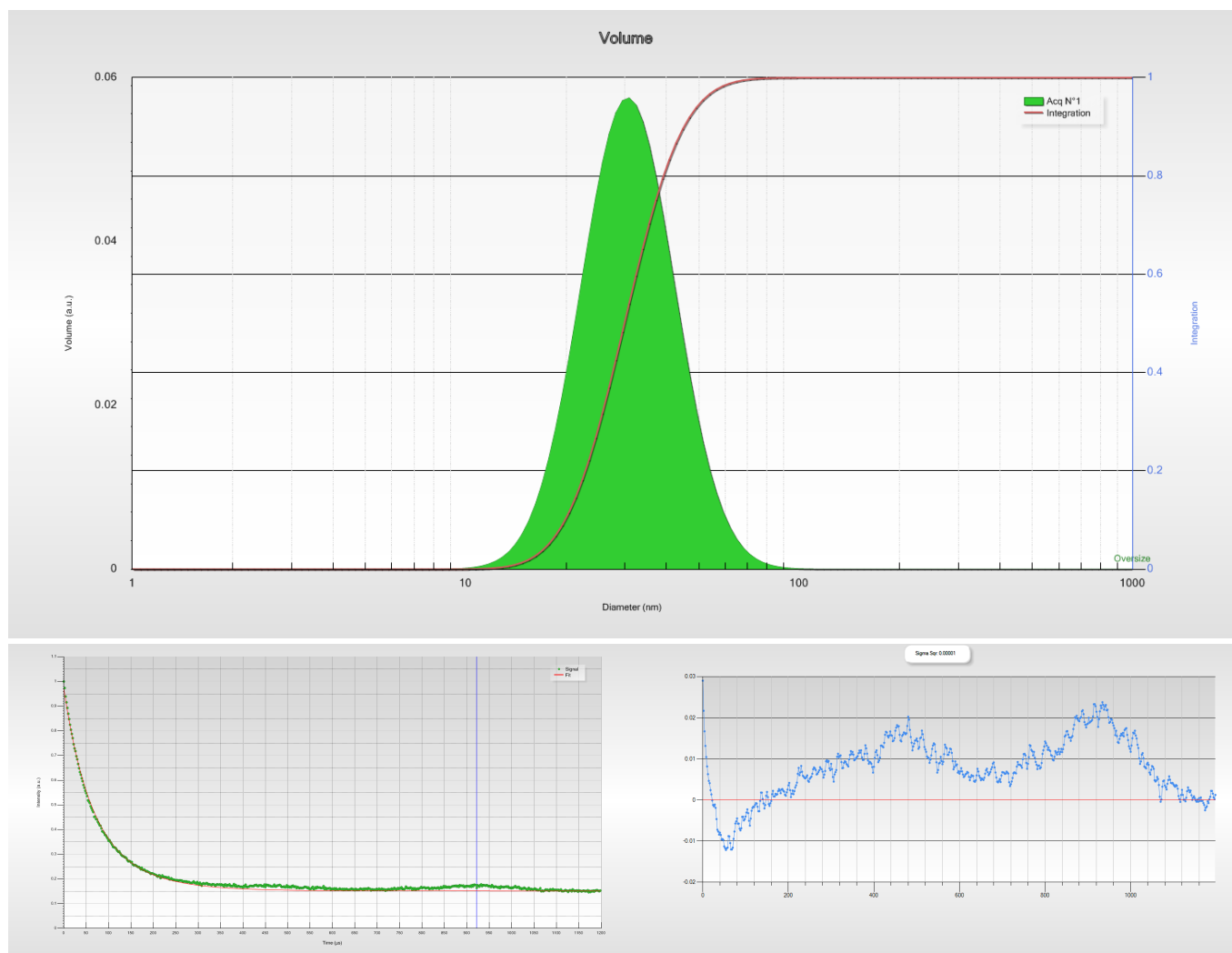
Dn 50%: 22.36 nm

Dn 90%: 33.89 nm

Std Dev: 32.62%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.4	0.82	7337.94	13.8822E-012



Distribution statistics

Dv 10%: 20.38 nm
Mean Volume: 32.22 nm
PDI : 0.4257

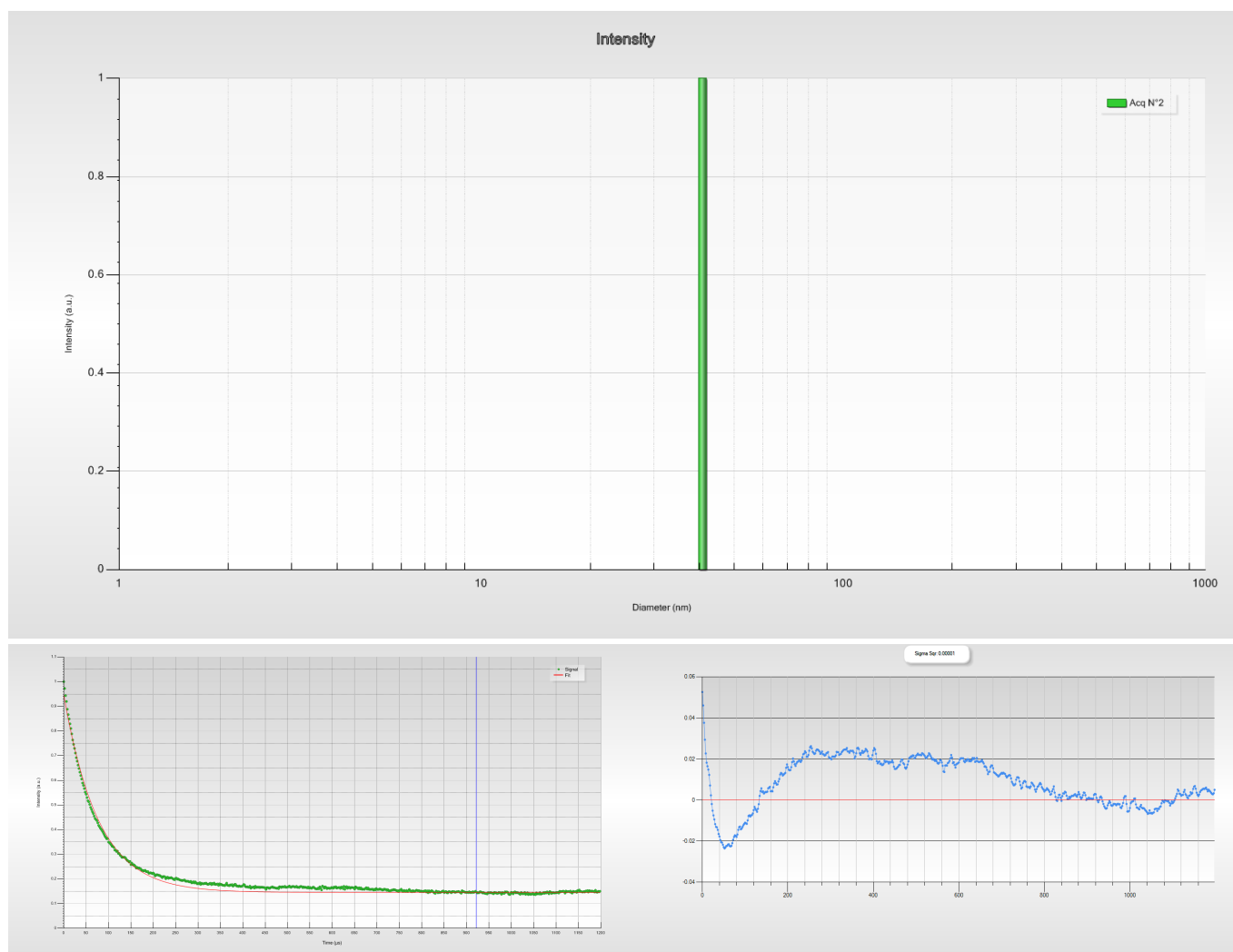
Dv 50%: 30.9 nm

Dv 90%: 46.85 nm

Std Dev: 32.62%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.4	0.82	7337.94	13.8822E-012



Dispersion statistics

Di 10%: 40.78 nm
Mean Intensity: 40.78 nm

Di 50%: 40.78 nm

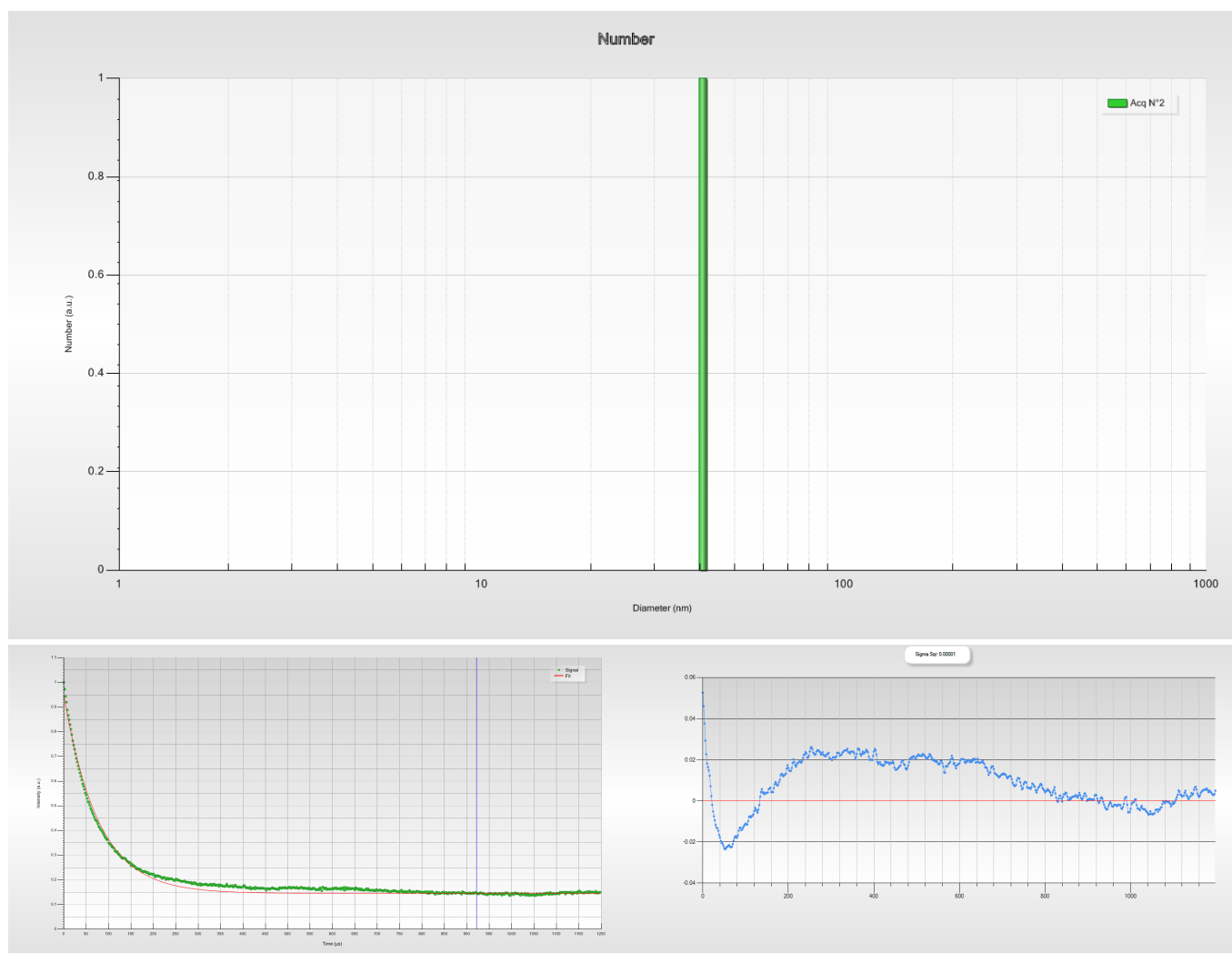
Di 90%: 40.78 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
40.06	0.9	6484.48	12.26759E-012

Dispersion datas

Size (nm)	Intensity
40.78	1



Dispersion statistics

Dn 10%: 40.78 nm
Mean Number: 40.78 nm

Dn 50%: 40.78 nm

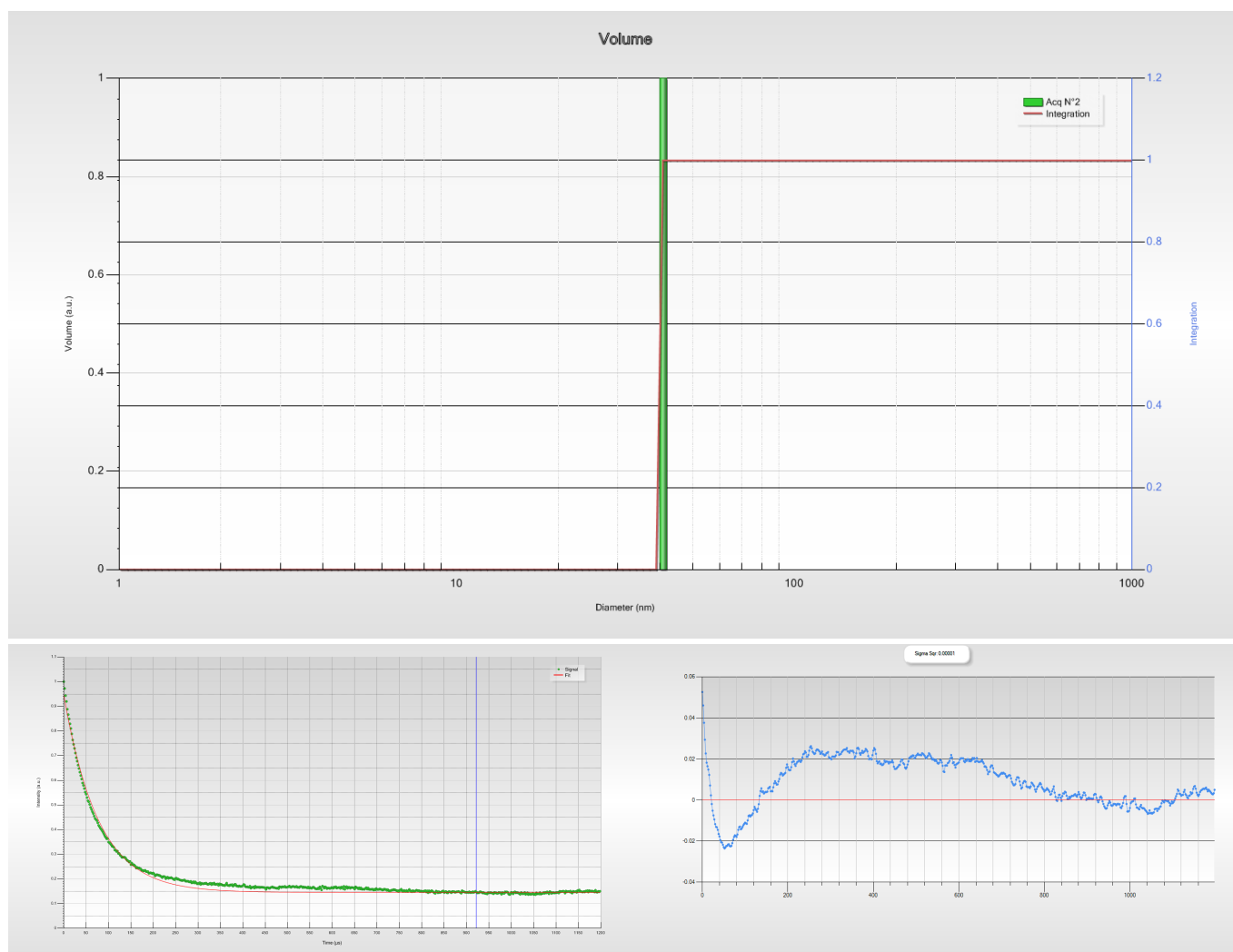
Dn 90%: 40.78 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
40.06	0.9	6484.48	12.26759E-012

Dispersion datas

Size (nm)	Number
40.78	1



Dispersion statistics

Dv 10%: 40.78 nm
Mean Volume: 40.78 nm

Dv 50%: 40.78 nm

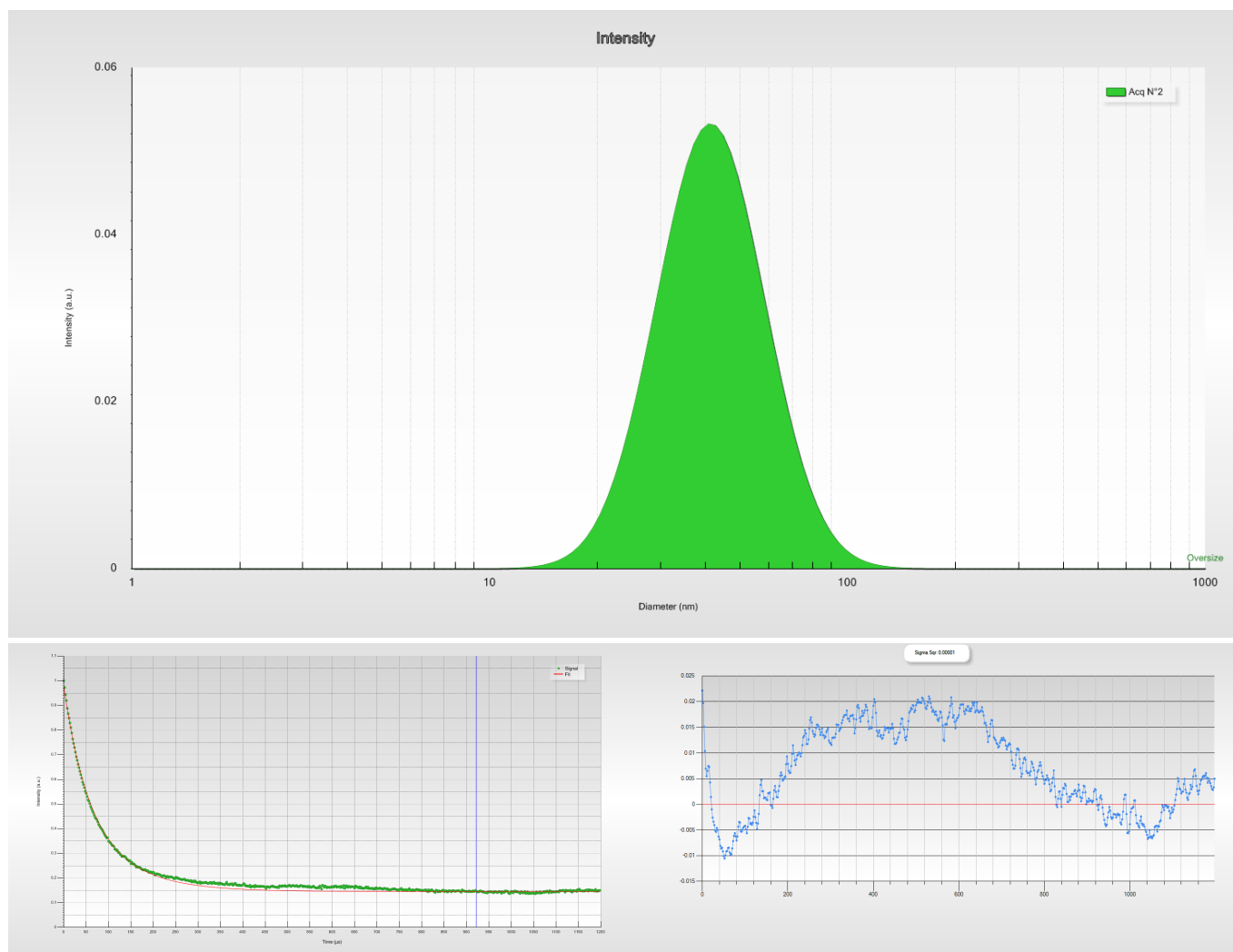
Dv 90%: 40.78 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
40.06	0.9	6484.48	12.26759E-012

Dispersion datas

Size (nm)	Volume
40.78	1

**Distribution statistics**

Di 10%: 26.9 nm
Mean Intensity: 43.88 nm
PDI : 0.5089

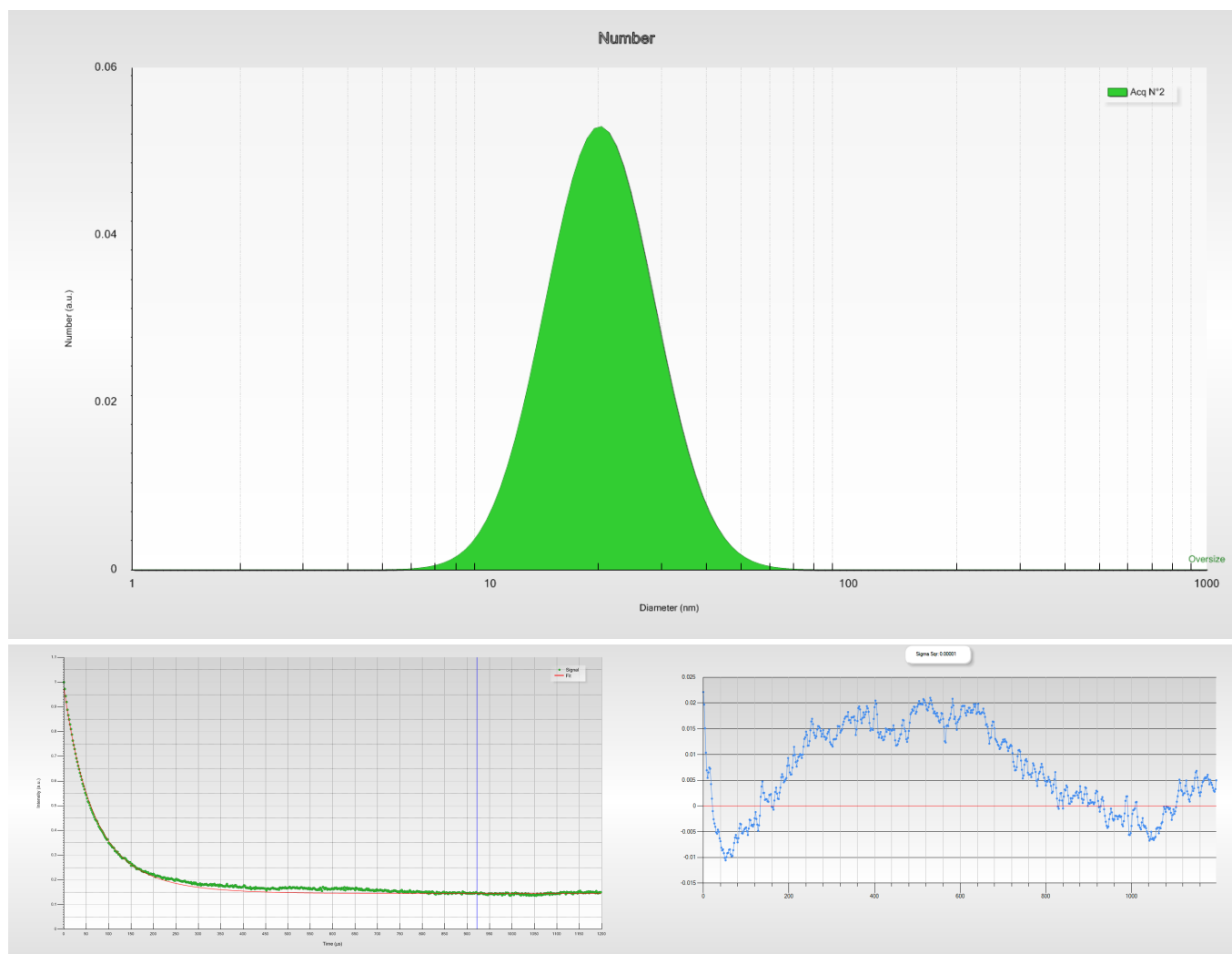
Di 50%: 40.78 nm

Di 90%: 64.75 nm

Std Dev: 35.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.52	0.83	7524.84	14.23579E-012

**Distribution statistics**

Dn 10%: 12.84 nm
Mean Number: 21.43 nm
PDI : 0.5089

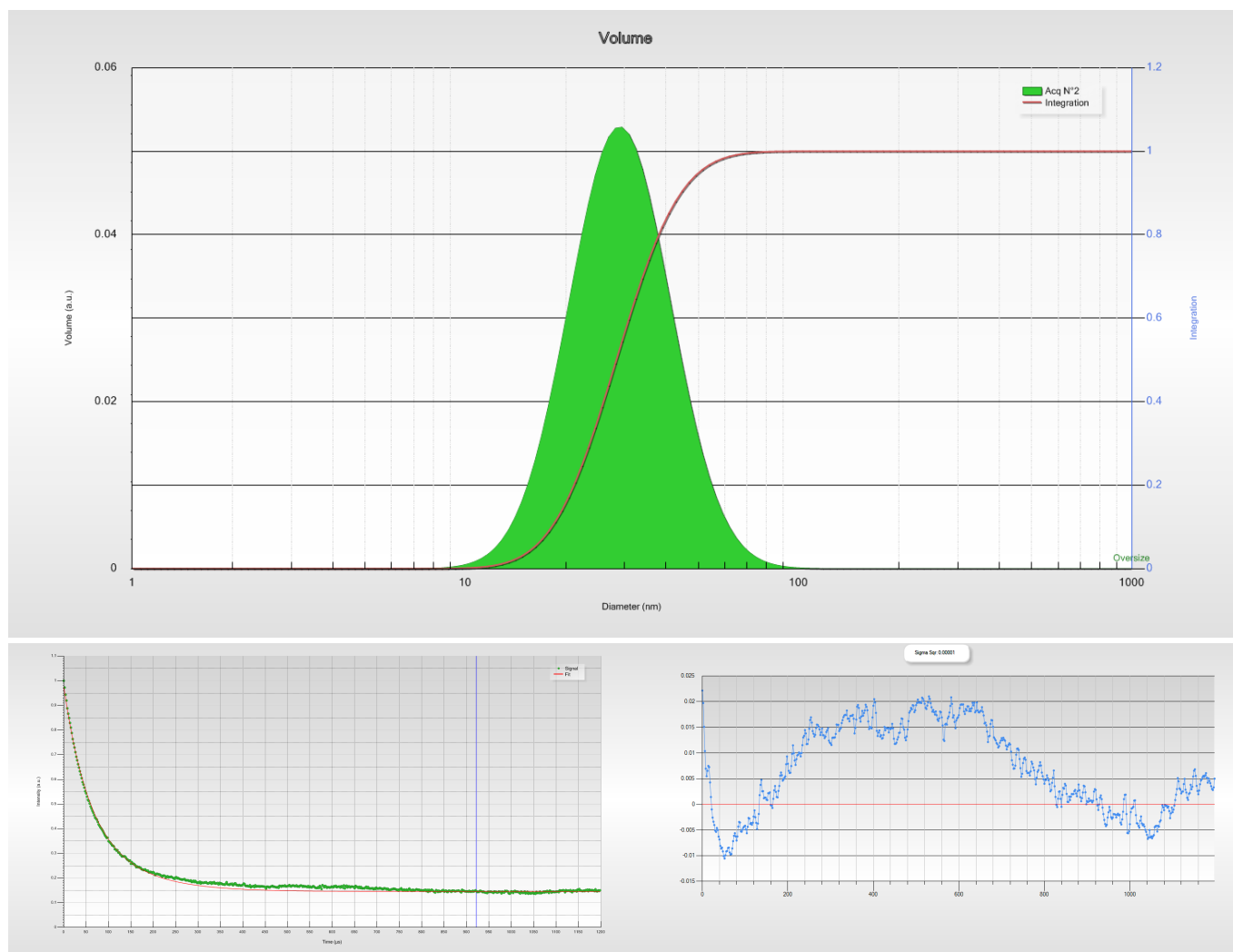
Dn 50%: 20.38 nm

Dn 90%: 30.9 nm

Std Dev: 35.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.52	0.83	7524.84	14.23579E-012

**Distribution statistics**

Dv 10%: 18.58 nm
Mean Volume: 30.85 nm
PDI : 0.5089

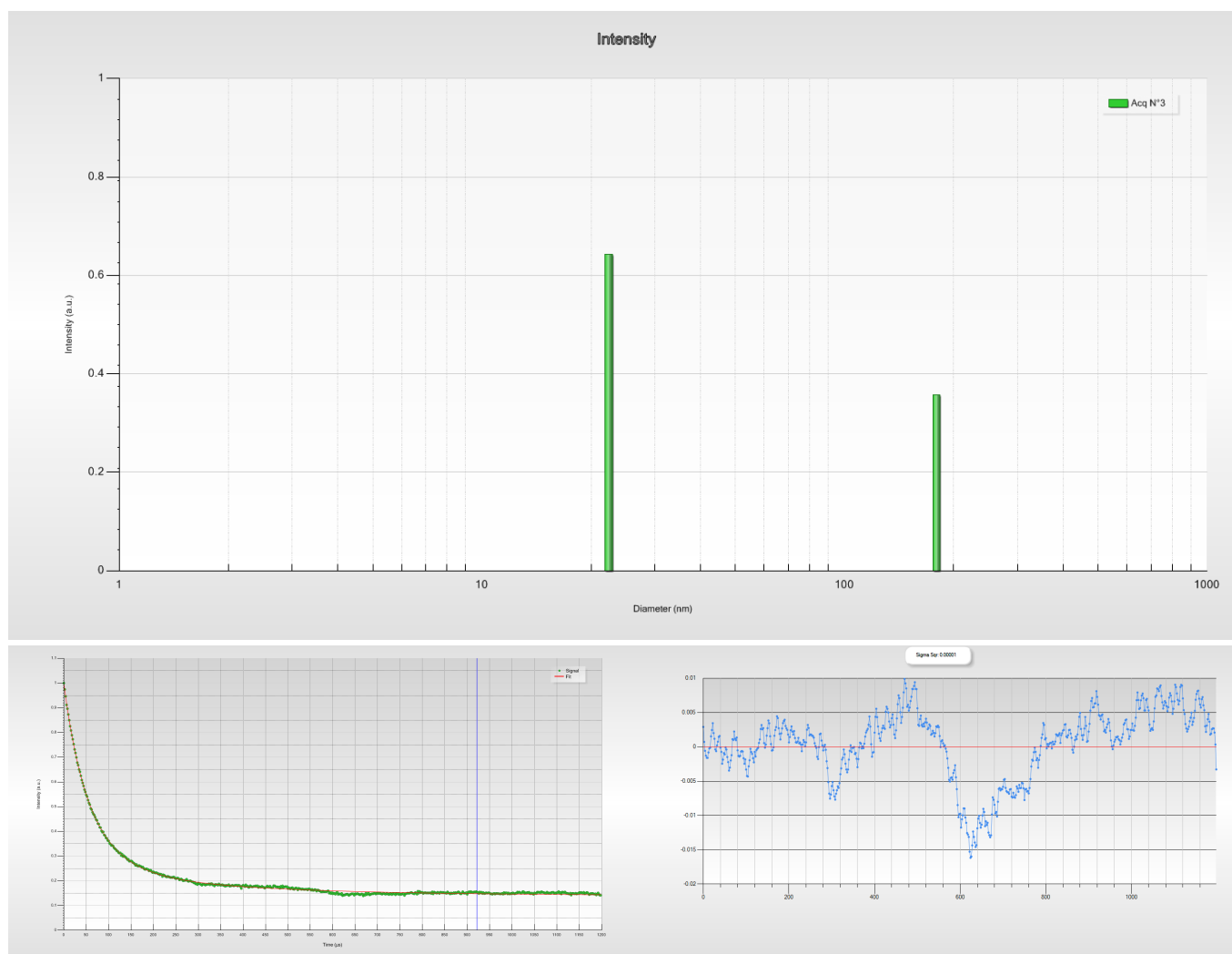
Dv 50%: 29.5 nm

Dv 90%: 44.73 nm

Std Dev: 35.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.52	0.83	7524.84	14.23579E-012



Dispersion statistics

Di 10%: 22.36 nm

Di 50%: 22.36 nm

Di 90%: 179.07 nm

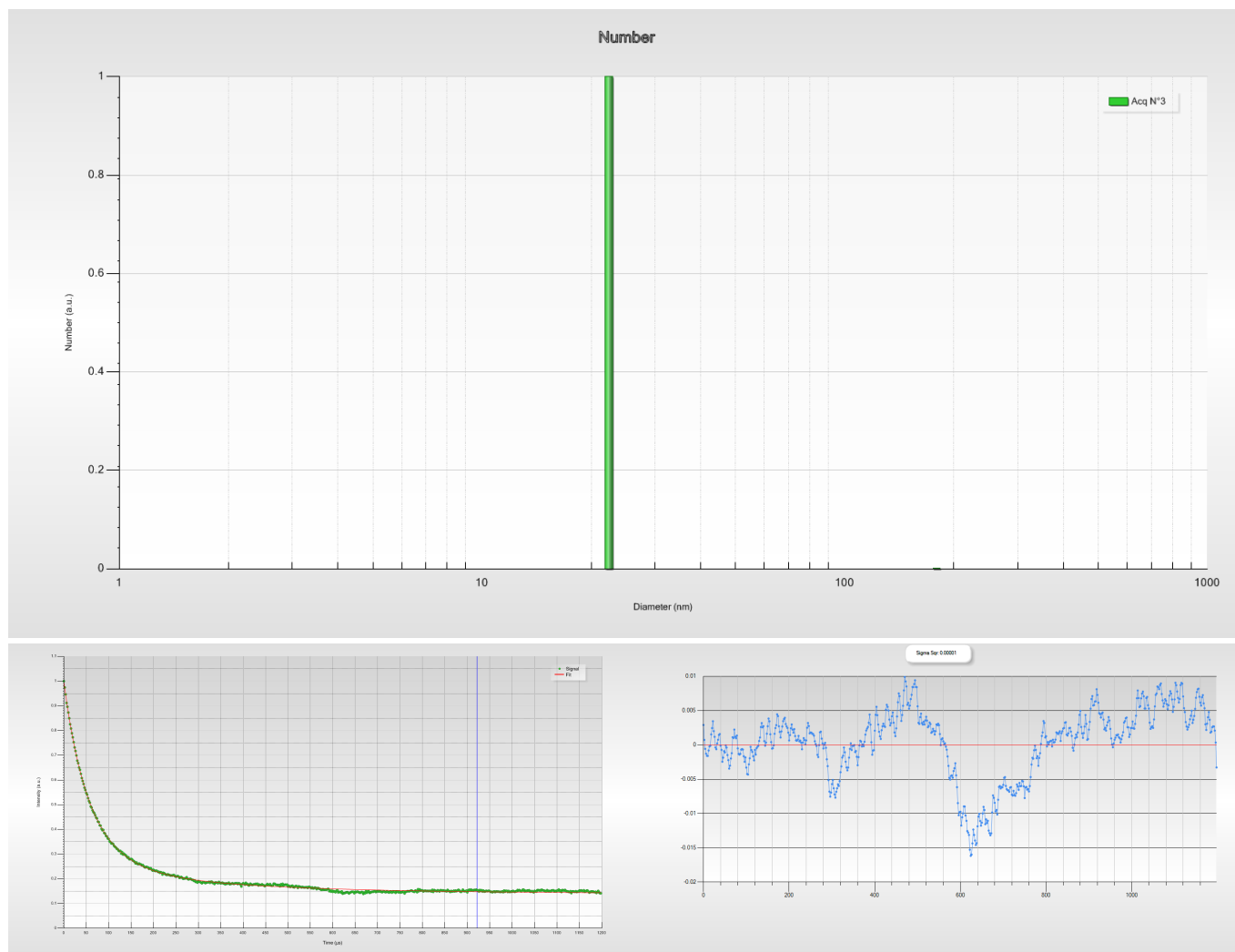
Mean Intensity: 78.42 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
22.21	0.59	11698.08	22.13087E-012
177.53	0.33	1463.33	27.68387E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
22.36	0.64	179.07	0.36



Dispersion statistics

Dn 10%: 22.36 nm
Mean Number: 22.36 nm

Dn 50%: 22.36 nm

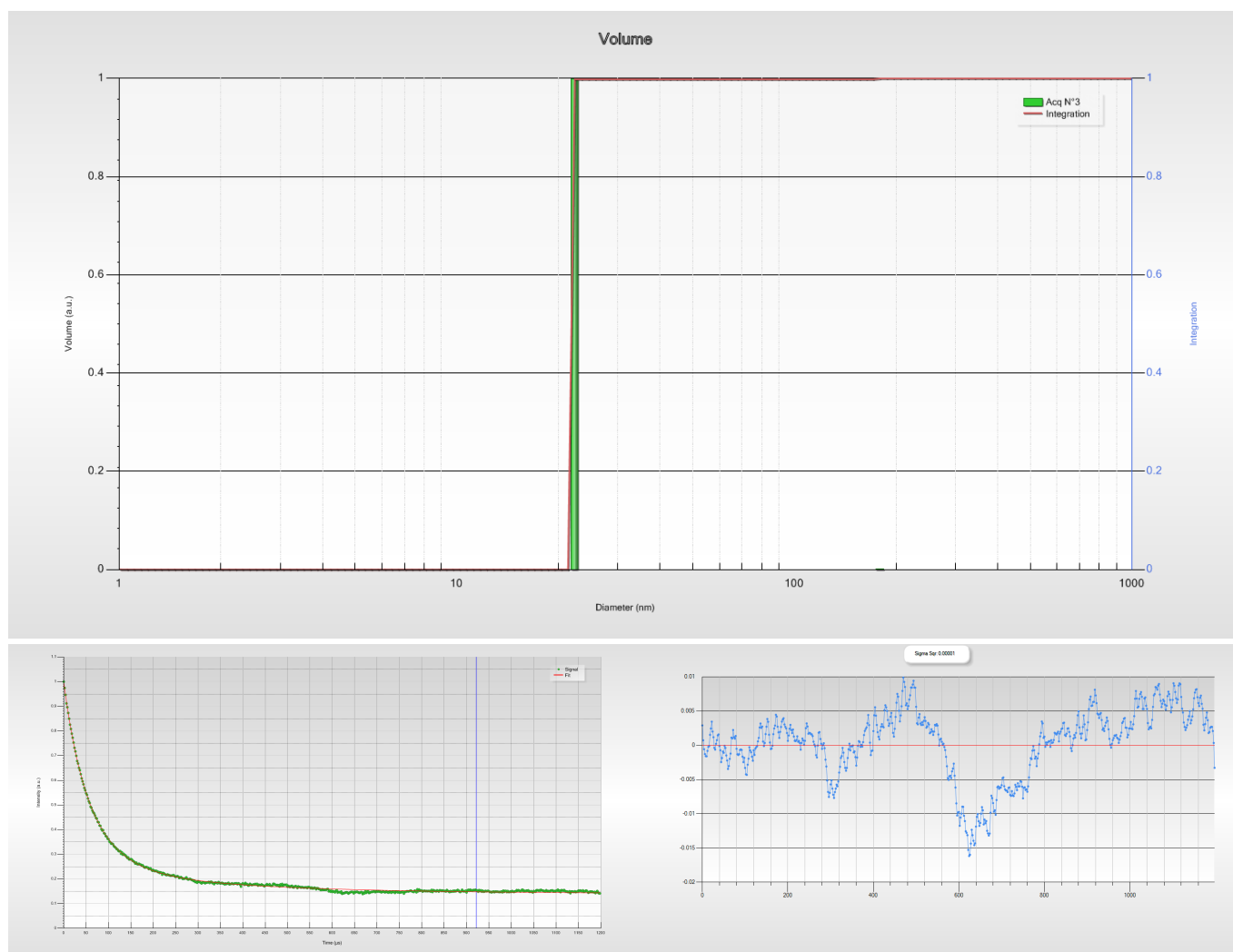
Dn 90%: 22.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
22.21	0.59	11698.08	22.13087E-012
177.53	0.33	1463.33	27.68387E-013

Dispersion datas

Size (nm)	Number
22.36	1



Dispersion statistics

Dv 10%: 22.36 nm
Mean Volume: 22.61 nm

Dv 50%: 22.36 nm

Dv 90%: 22.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
22.21	0.59	11698.08	22.13087E-012
177.53	0.33	1463.33	27.68387E-013

Dispersion datas

Size (nm)	Volume
22.36	1

**Distribution statistics**

Di 10%: 32.36 nm
Mean Intensity: 51.97 nm
PDI : 0.45349

Di 50%: 49.06 nm

Di 90%: 74.39 nm

Std Dev: 33.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
41.92	0.79	6197.54	11.72474E-012

**Distribution statistics**

Dn 10%: 16.94 nm
Mean Number: 27.36 nm
PDI : 0.45349

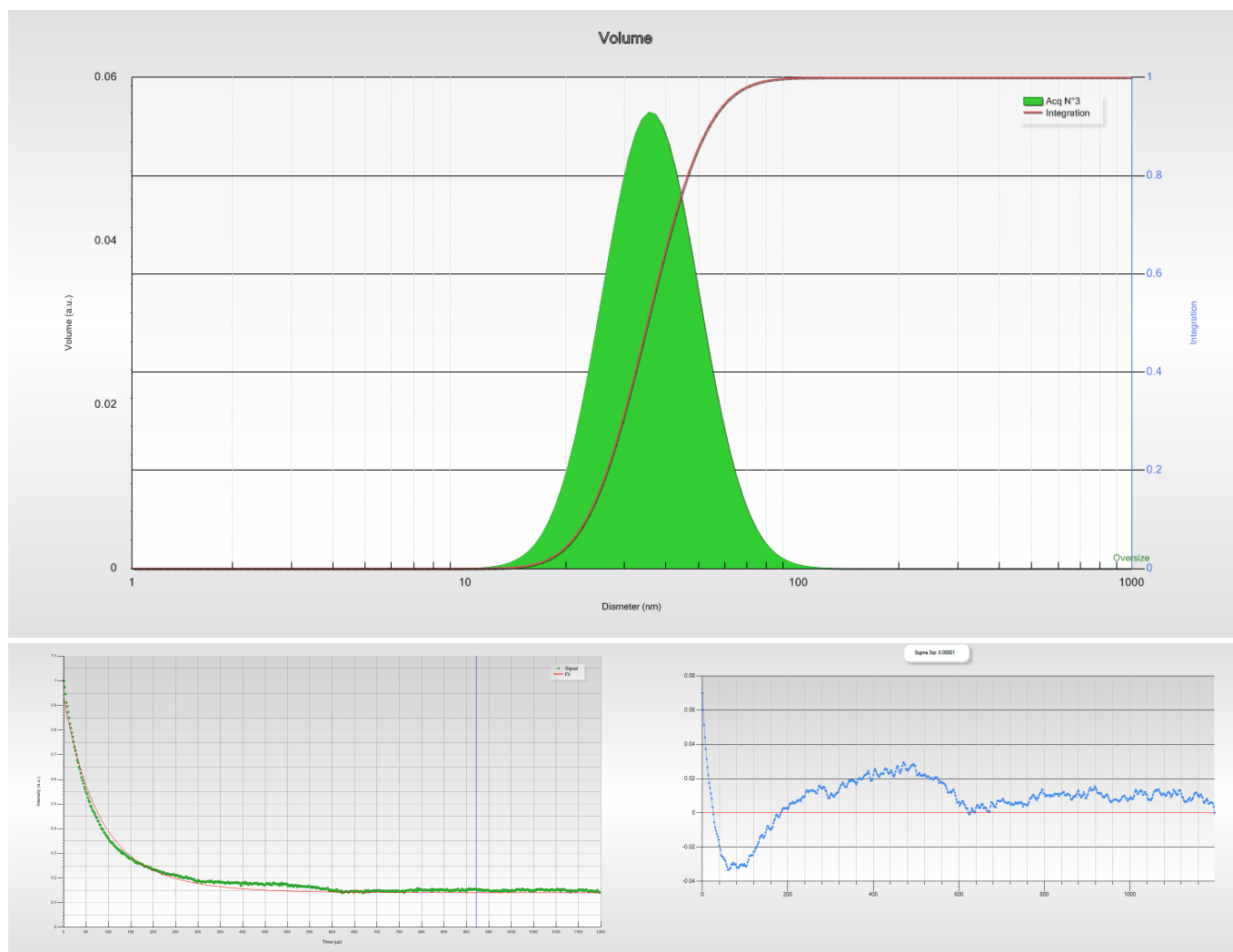
Dn 50%: 25.68 nm

Dn 90%: 38.94 nm

Std Dev: 33.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
41.92	0.79	6197.54	11.72474E-012



Distribution statistics

Dv 10%: 23.41 nm
Mean Volume: 37.96 nm
PDI : 0.45349

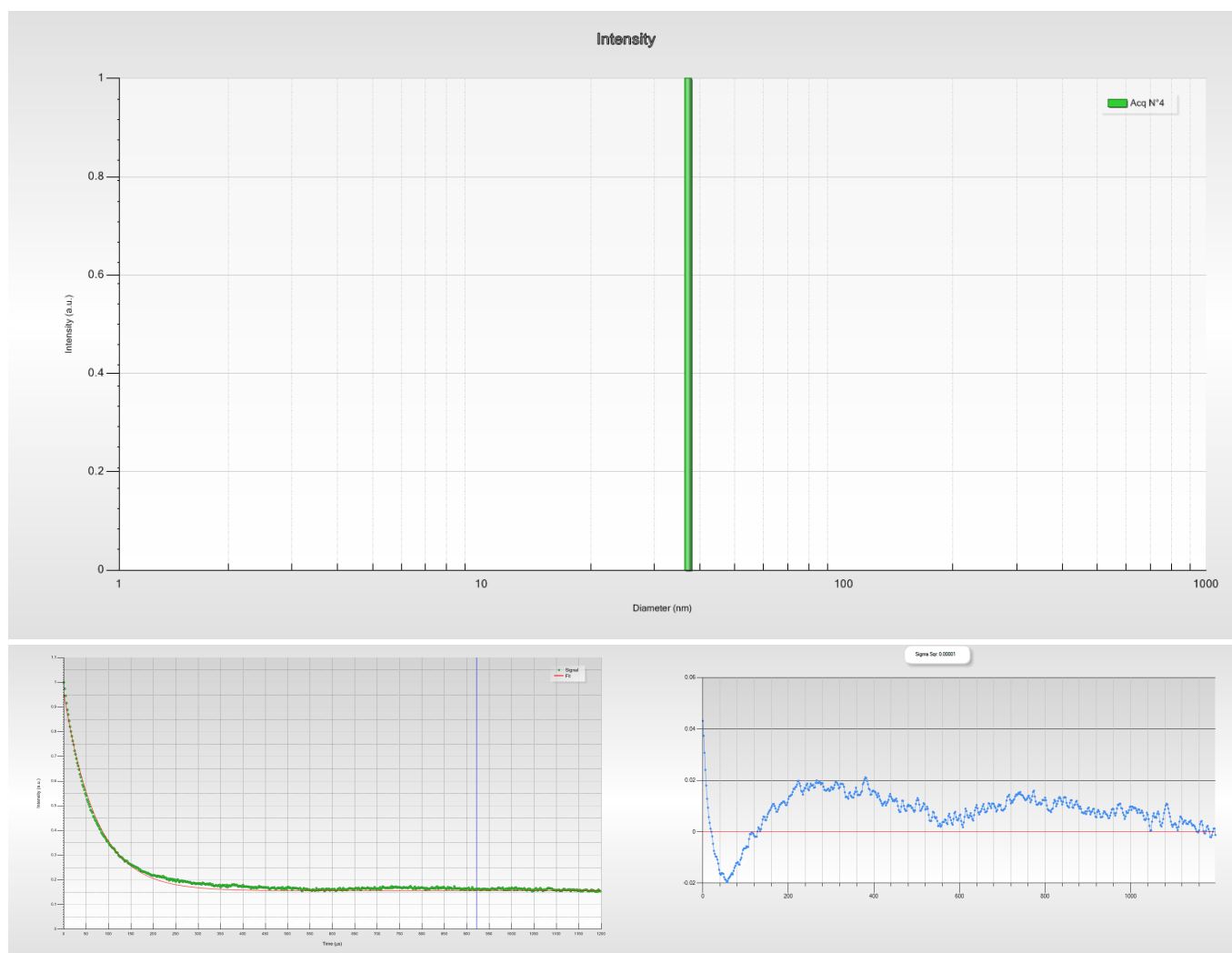
Dv 50%: 35.5 nm

Dv 90%: 53.82 nm

Std Dev: 33.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
41.92	0.79	6197.54	11.72474E-012



Dispersion statistics

Di 10%: 37.18 nm
Mean Intensity: 37.18 nm

Di 50%: 37.18 nm

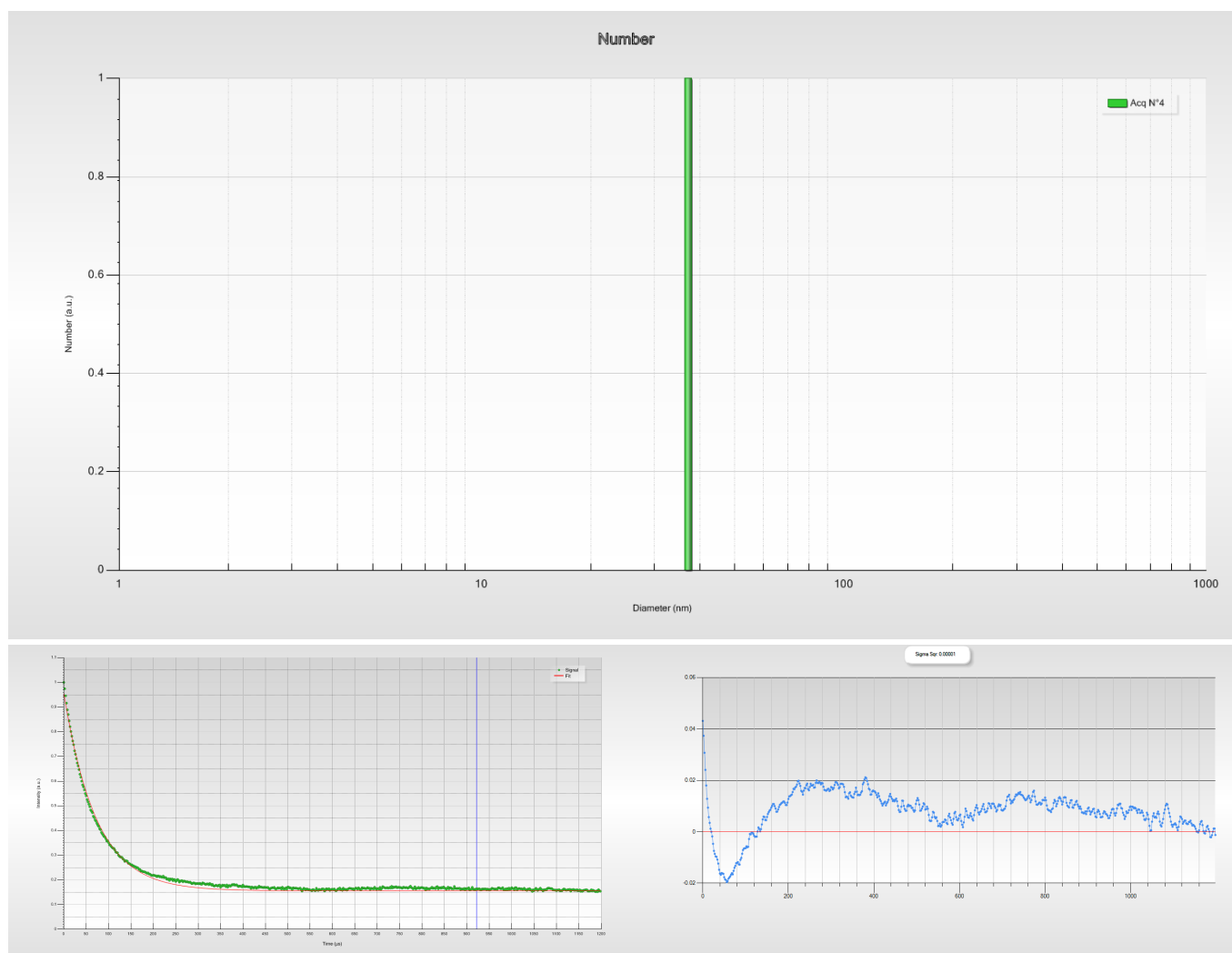
Di 90%: 37.18 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
37.57	0.9	6928.74	13.10806E-012

Dispersion datas

Size (nm)	Intensity
37.18	1



Dispersion statistics

Dn 10%: 37.18 nm
Mean Number: 37.18 nm

Dn 50%: 37.18 nm

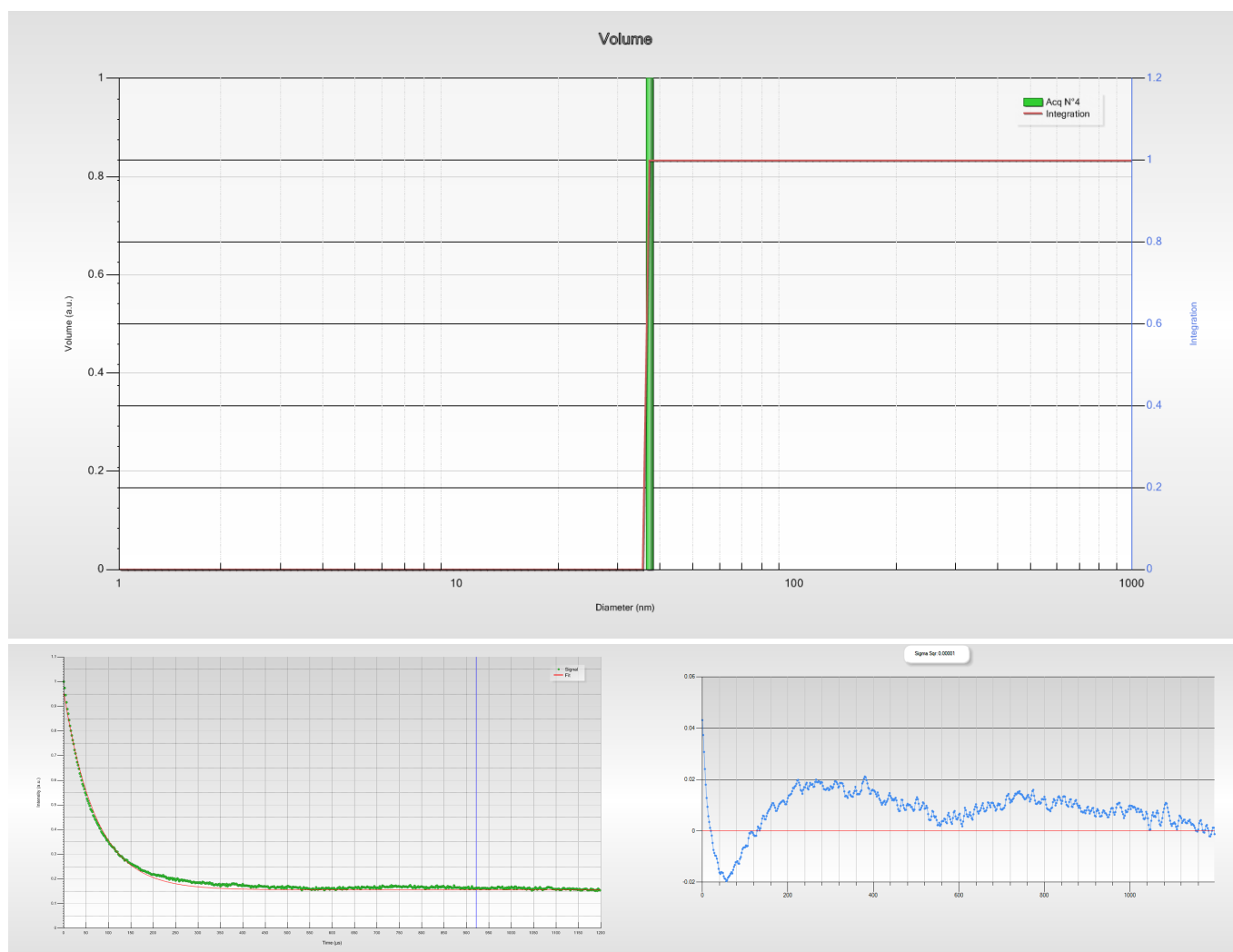
Dn 90%: 37.18 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
37.57	0.9	6928.74	13.10806E-012

Dispersion datas

Size (nm)	Number
37.18	1



Dispersion statistics

Dv 10%: 37.18 nm
Mean Volume: 37.18 nm

Dv 50%: 37.18 nm

Dv 90%: 37.18 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
37.57	0.9	6928.74	13.10806E-012

Dispersion datas

Size (nm)	Volume
37.18	1

**Distribution statistics**

Di 10%: 26.9 nm
Mean Intensity: 41.32 nm
PDI : 0.40111

Di 50%: 38.94 nm

Di 90%: 59.03 nm

Std Dev: 31.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.19	0.82	7613.38	14.40328E-012

**Distribution statistics**

Dn 10%: 14.75 nm
Mean Number: 23.33 nm
PDI : 0.40111

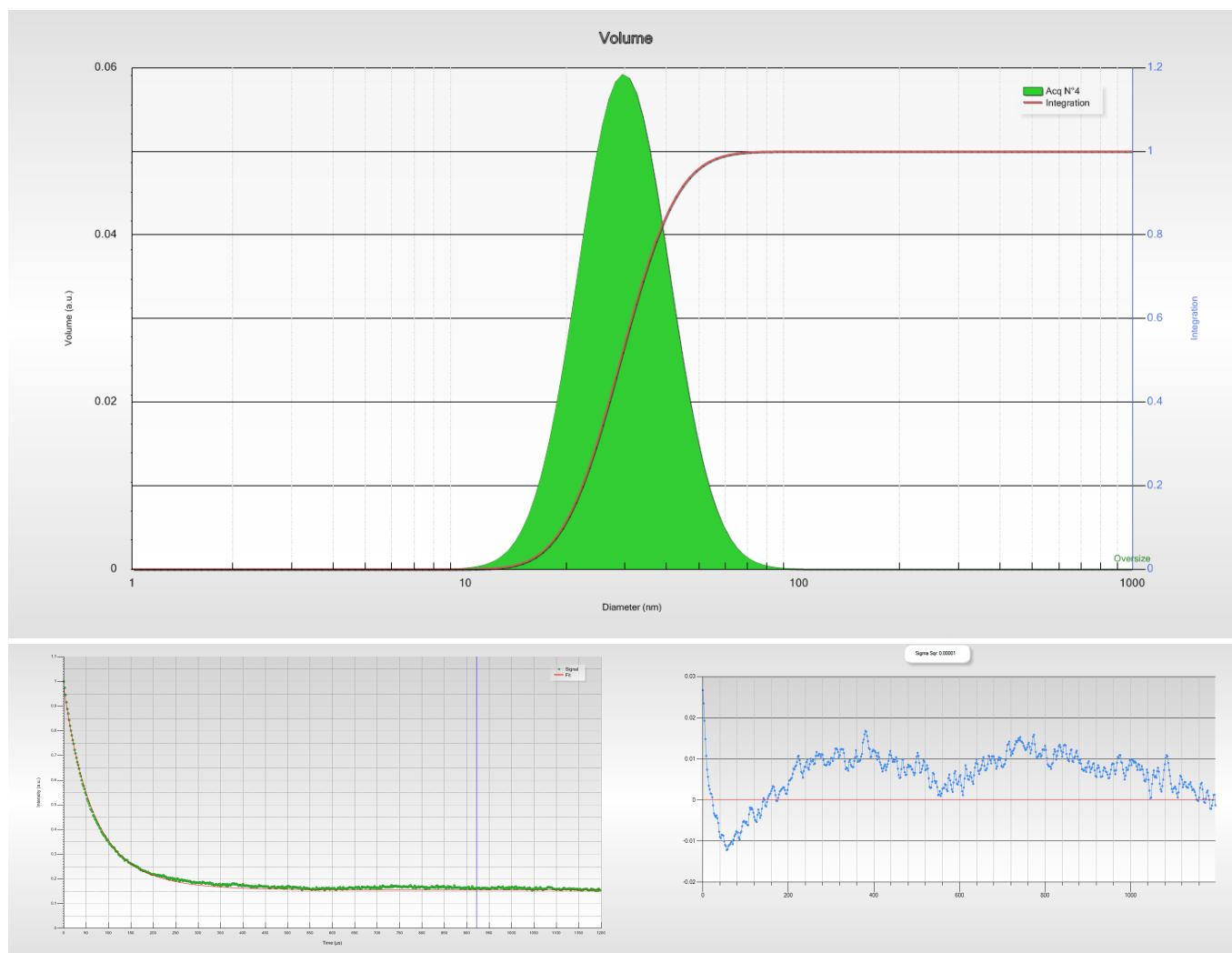
Dn 50%: 22.36 nm

Dn 90%: 32.36 nm

Std Dev: 31.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.19	0.82	7613.38	14.40328E-012

**Distribution statistics**

Dv 10%: 20.38 nm
Mean Volume: 31.21 nm
PDI : 0.40111

Dv 50%: 29.5 nm

Dv 90%: 44.73 nm

Std Dev: 31.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.19	0.82	7613.38	14.40328E-012



Dispersion statistics

Di 10%: 21.35 nm
Mean Intensity: 52.66 nm

Di 50%: 21.35 nm

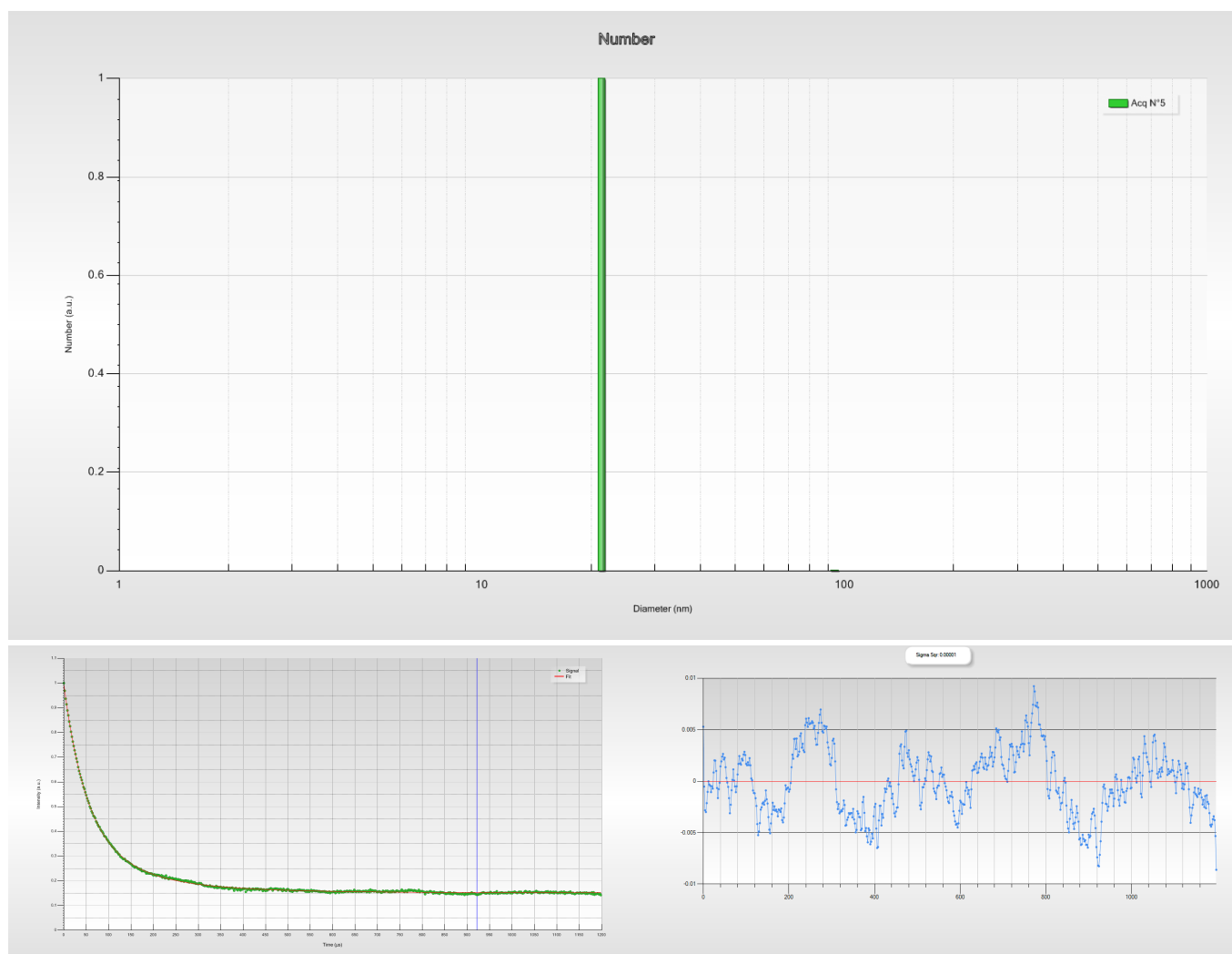
Di 90%: 93.73 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
21.01	0.52	12365.95	23.39437E-012
93.92	0.4	2765.96	52.32757E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
21.35	0.57	93.73	0.43



Dispersion statistics

Dn 10%: 21.35 nm
Mean Number: 21.35 nm

Dn 50%: 21.35 nm

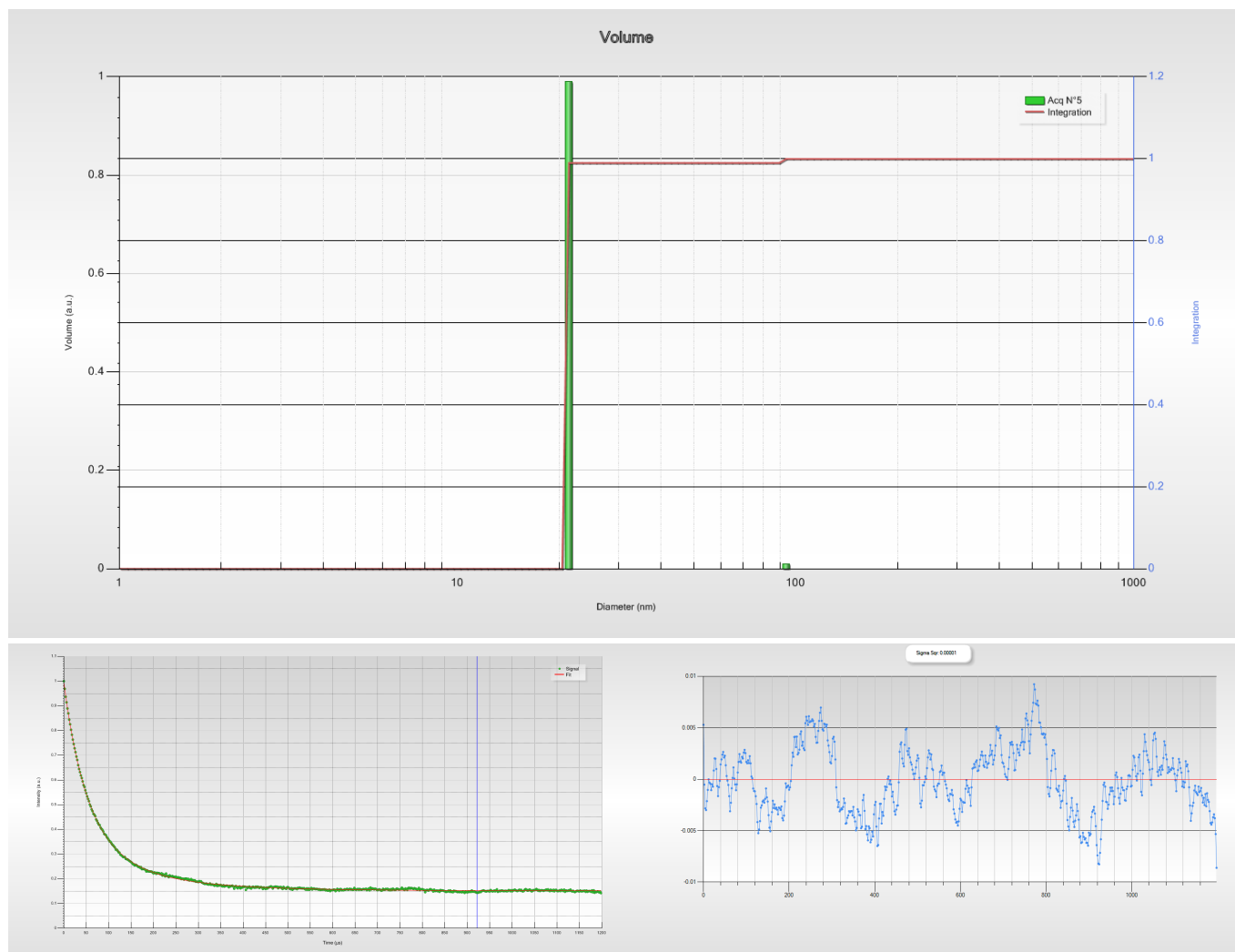
Dn 90%: 21.35 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
21.01	0.52	12365.95	23.39437E-012
93.92	0.4	2765.96	52.32757E-013

Dispersion datas

Size (nm)	Number
21.35	1



Dispersion statistics

Dv 10%: 21.35 nm
Mean Volume: 22.06 nm

Dv 50%: 21.35 nm

Dv 90%: 21.35 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
21.01	0.52	12365.95	23.39437E-012
93.92	0.4	2765.96	52.32757E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
21.35	0.99	93.73	0.01

**Distribution statistics**

Di 10%: 26.9 nm
Mean Intensity: 43.18 nm
PDI : 0.45711

Di 50%: 40.78 nm

Di 90%: 61.83 nm

Std Dev: 33.81%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.77	0.82	7471.84	14.13552E-012

**Distribution statistics**

Dn 10%: 14.08 nm
Mean Number: 22.61 nm
PDI : 0.45711

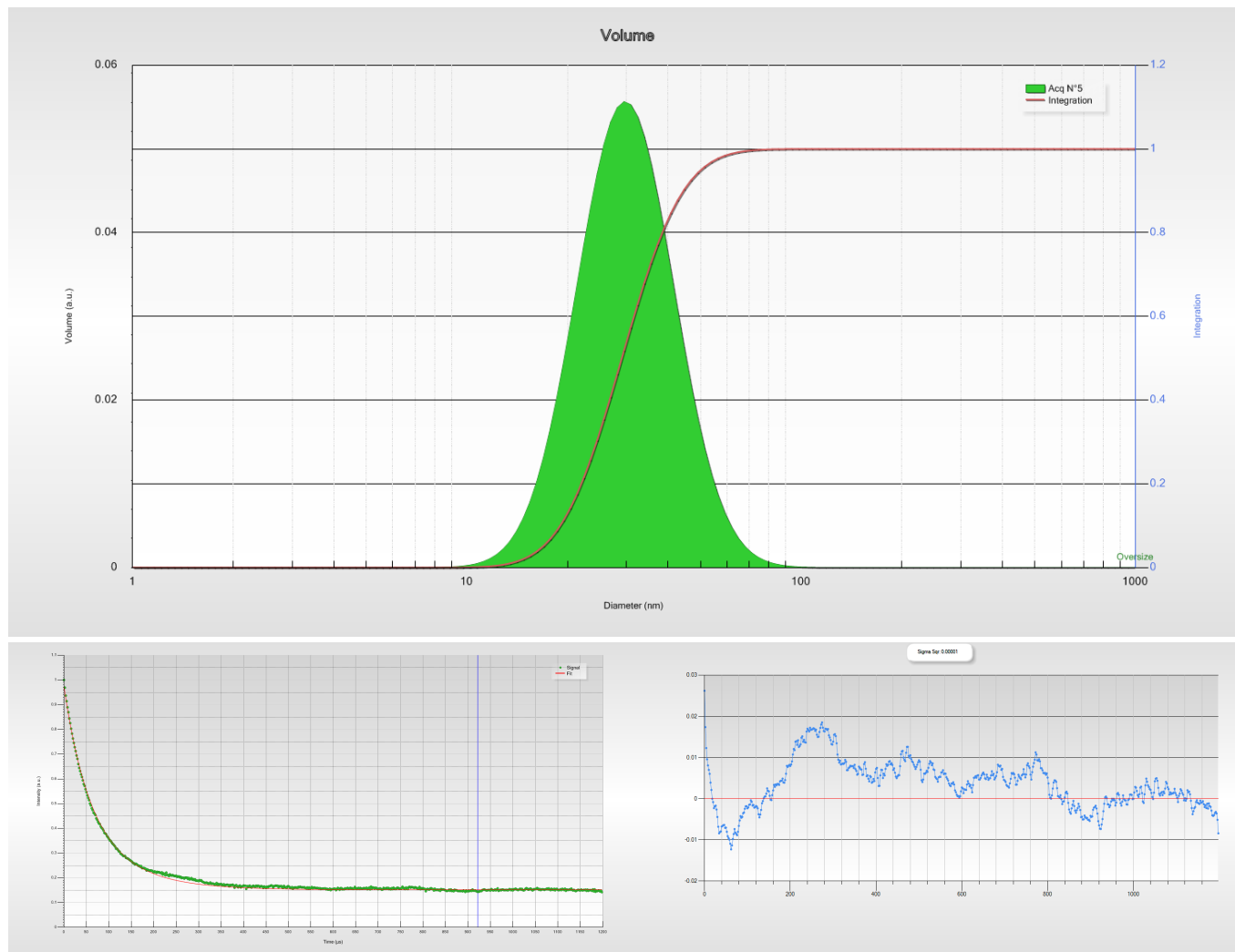
Dn 50%: 21.35 nm

Dn 90%: 32.36 nm

Std Dev: 33.81%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.77	0.82	7471.84	14.13552E-012



Distribution statistics

Dv 10%: 19.46 nm
Mean Volume: 31.42 nm
PDI : 0.45711

Dv 50%: 29.5 nm

Dv 90%: 44.73 nm

Std Dev: 33.81%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
34.77	0.82	7471.84	14.13552E-012