

Sample

Name : GNP_11.4.16_1.24_5k_2
Mesured On : 11.04.2016 15:48
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	: 300
Laser power	: 60.1 %	Wavelength	: 657 nm
DTC Position	: UP		

Liquid Medium

Refractive index	: 1.331	Viscosity	: 0.888 cP
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Particles

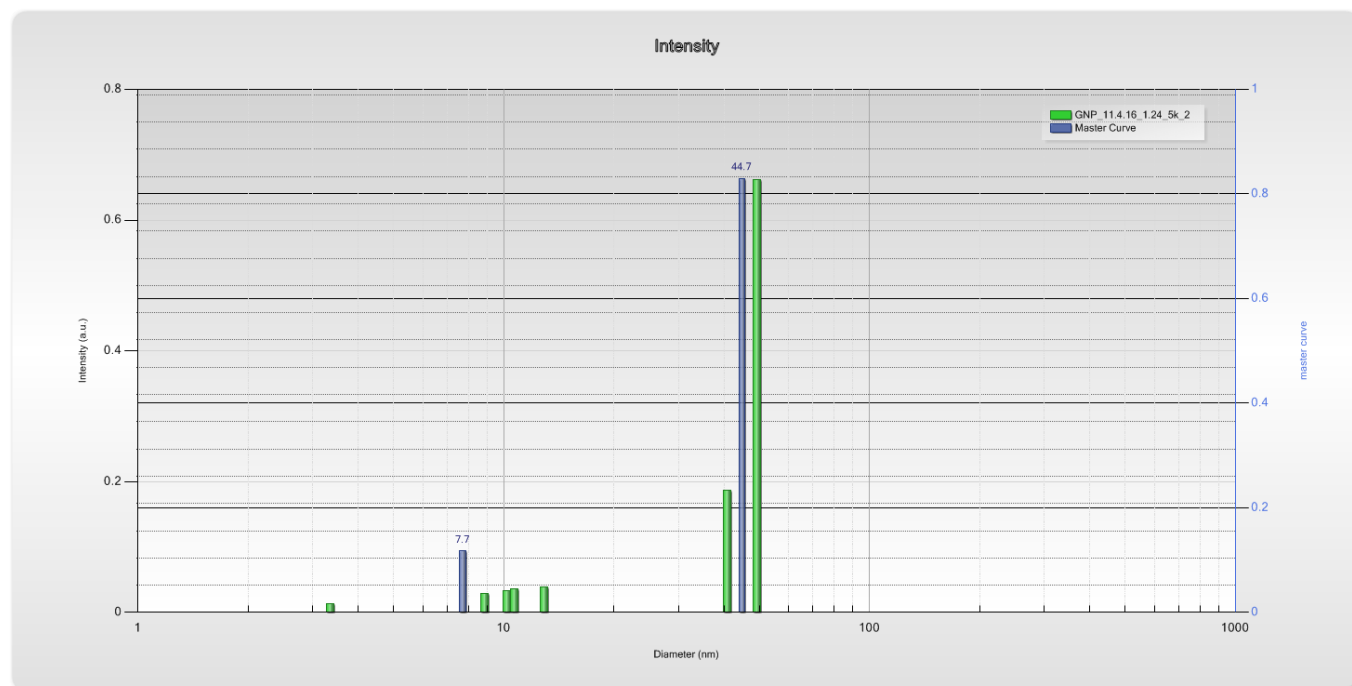
Real part	: 1.56	Imaginary part	: 0.01
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Algorithm

Pade Laplace	Cumulants
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Measurement

Average count rate : 2921 kcps
Number of rejected : 0
Duration : 00:05:09
Number of modified : 0



Dispersion statistics

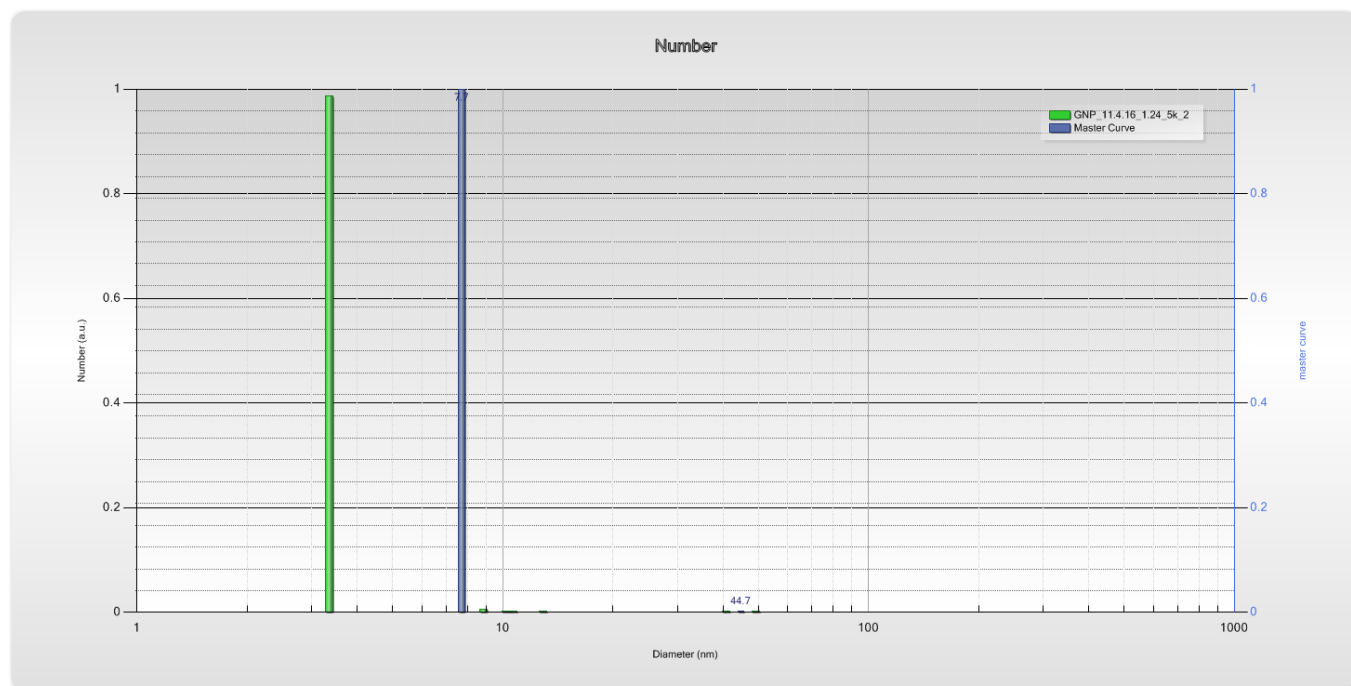
Di 10%: 10.67 nm

Di 50%: 49.06 nm

Di 90%: 49.06 nm

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity
3.36	0.01	10.19	0.03	12.84	0.04	49.06	0.66
8.87	0.03	10.67	0.04	40.78	0.19		



Dispersion statistics

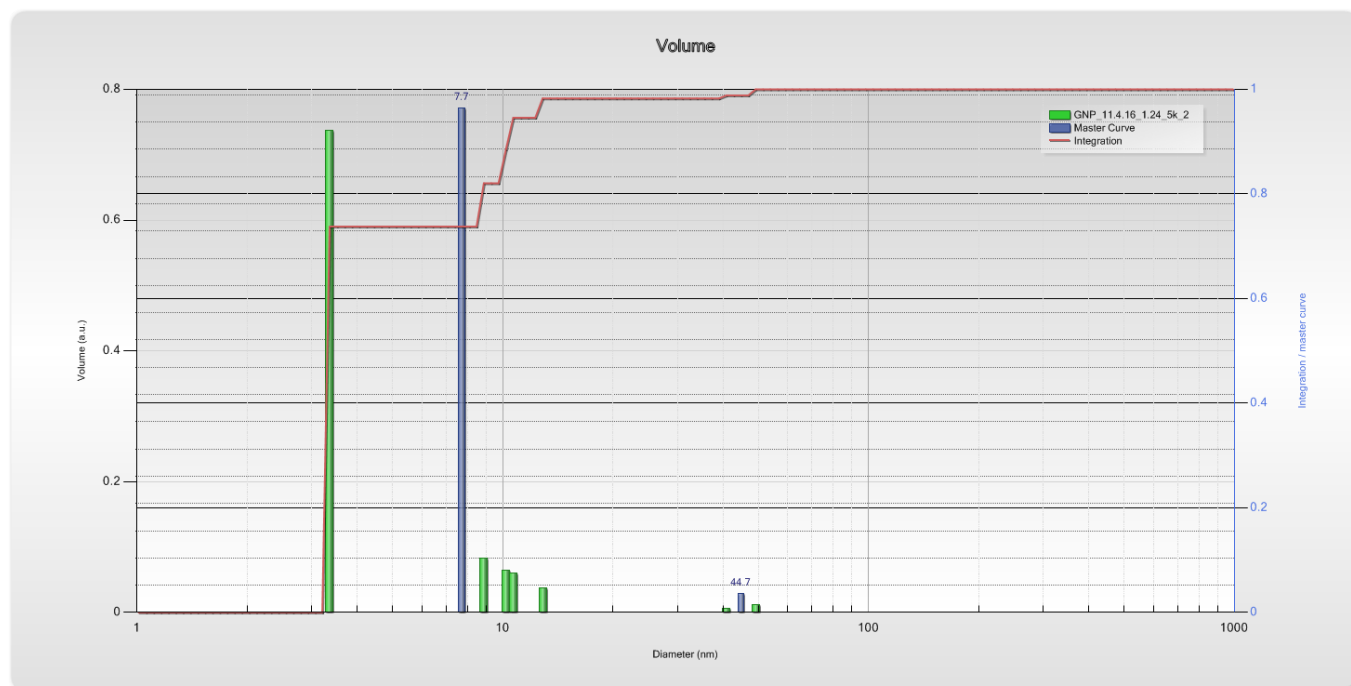
Dn 10%: 3.36 nm

Dn 50%: 3.36 nm

Dn 90%: 3.36 nm

Dispersion datas

Size (nm)	Number	Size (nm)	Number
3.36	0.99	8.87	0.01



Dispersion statistics

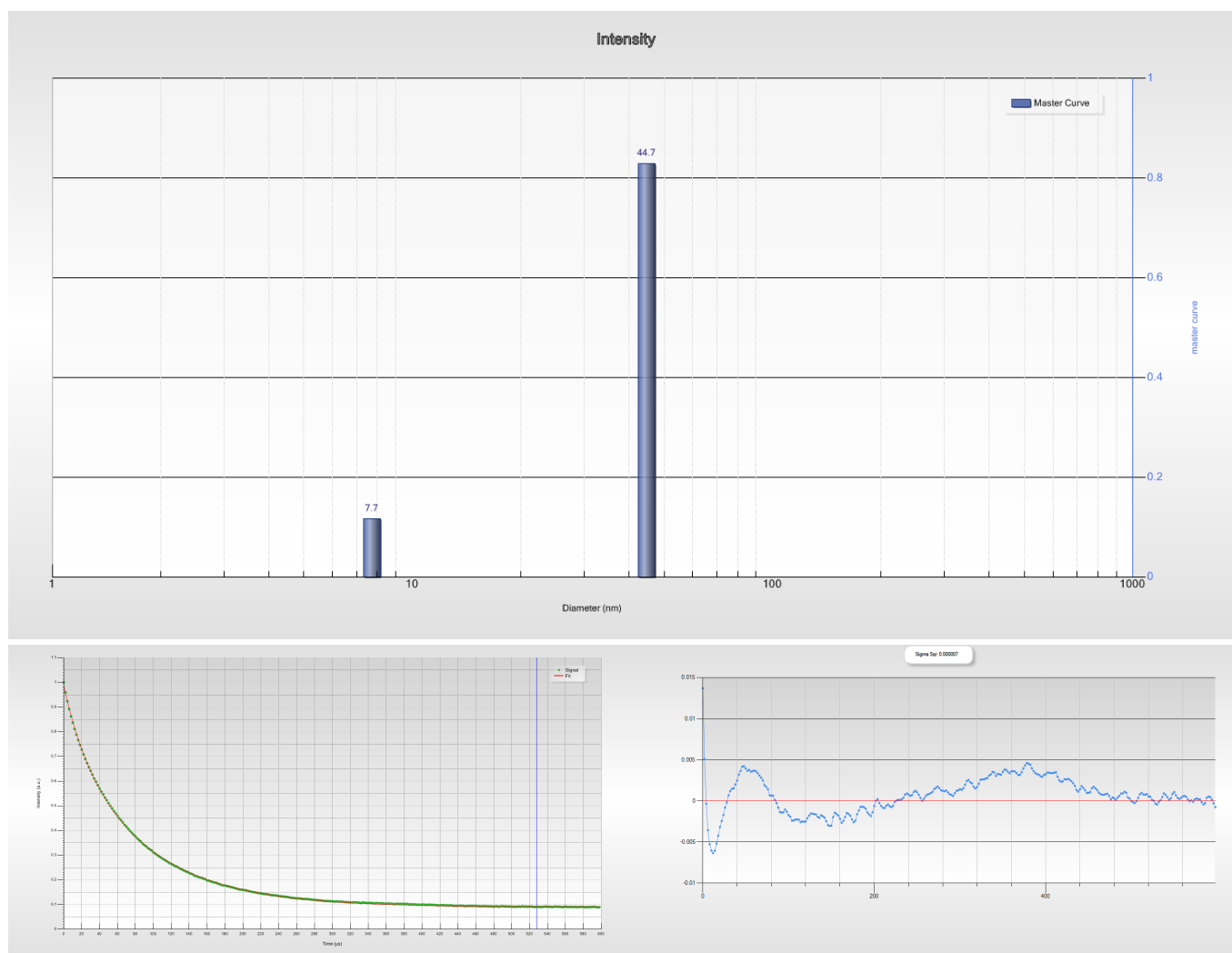
Dv 10%: 3.36 nm

Dv 50%: 3.36 nm

Dv 90%: 10.67 nm

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume
3.36	0.74	10.19	0.06	12.84	0.04	49.06	0.01
8.87	0.08	10.67	0.06	40.78	0.01		



Dispersion statistics

Di 10%: 7.72 nm
Mean Intensity: 40.15 nm

Di 50%: 44.73 nm

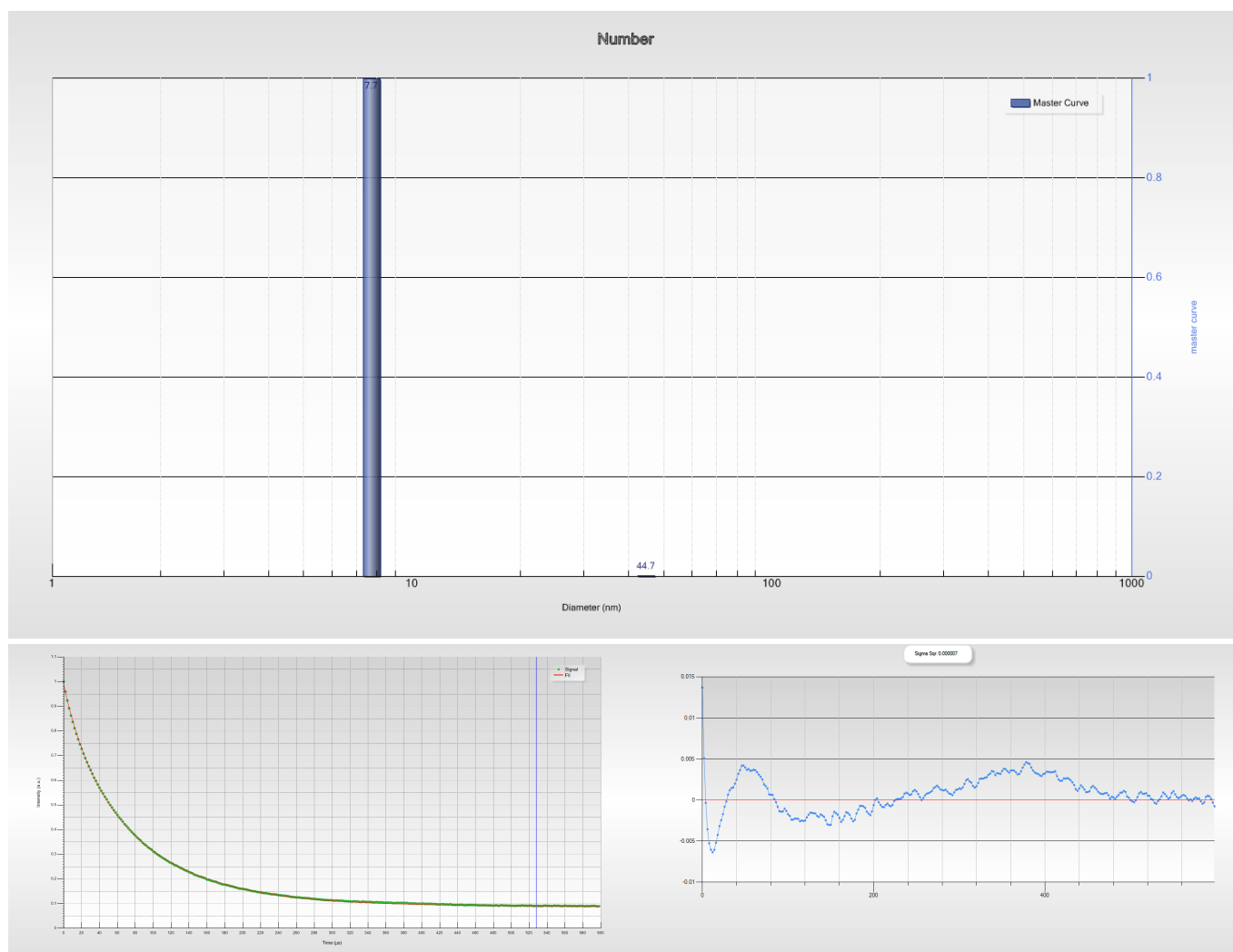
Di 90%: 44.73 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
7.75	0.12	33512.4	63.40002E-012
45.69	0.83	5685.59	10.75622E-012

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
7.72	0.12	44.73	0.88



Dispersion statistics

Dn 10%: 7.72 nm
Mean Number: 7.73 nm

Dn 50%: 7.72 nm

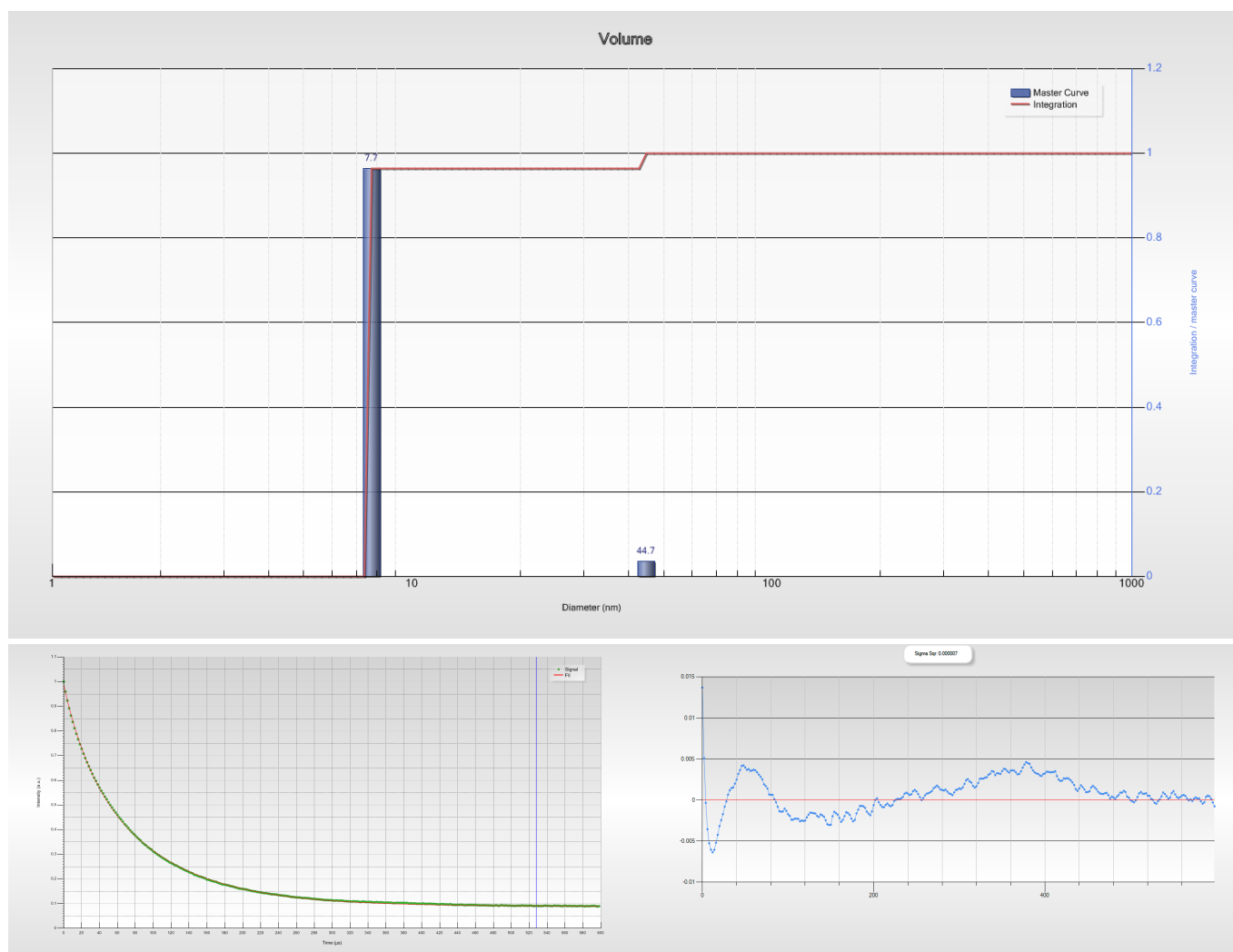
Dn 90%: 7.72 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
7.75	0.12	33512.4	63.40002E-012
45.69	0.83	5685.59	10.75622E-012

Dispersion datas

Size (nm)	Number
7.72	1



Dispersion statistics

Dv 10%: 7.72 nm
Mean Volume: 9.04 nm

Dv 50%: 7.72 nm

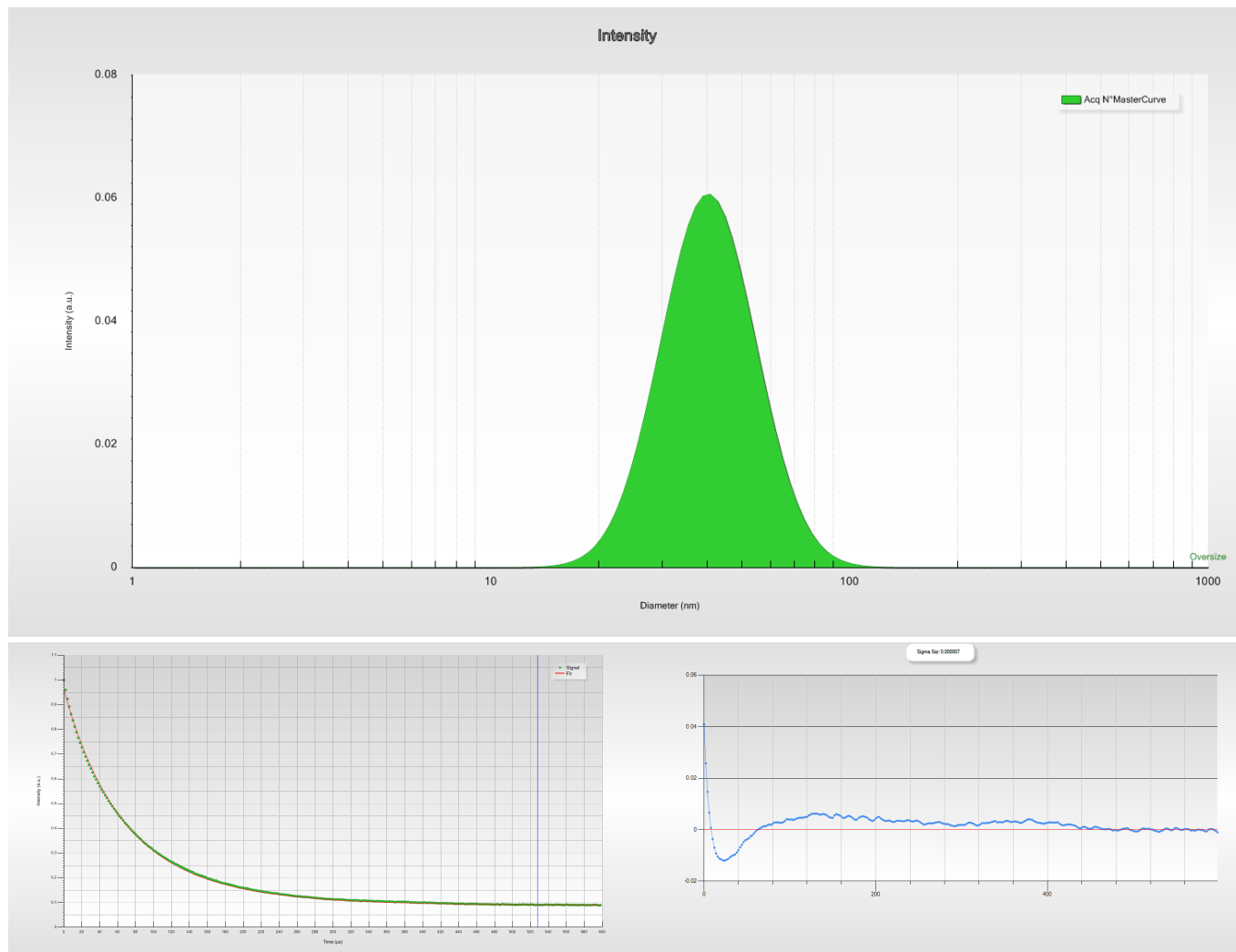
Dv 90%: 7.72 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
7.75	0.12	33512.4	63.40002E-012
45.69	0.83	5685.59	10.75622E-012

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
7.72	0.96	44.73	0.04



Distribution statistics

Di 10%: 26.9 nm
Mean Intensity: 42.18 nm
PDI : 0.3871

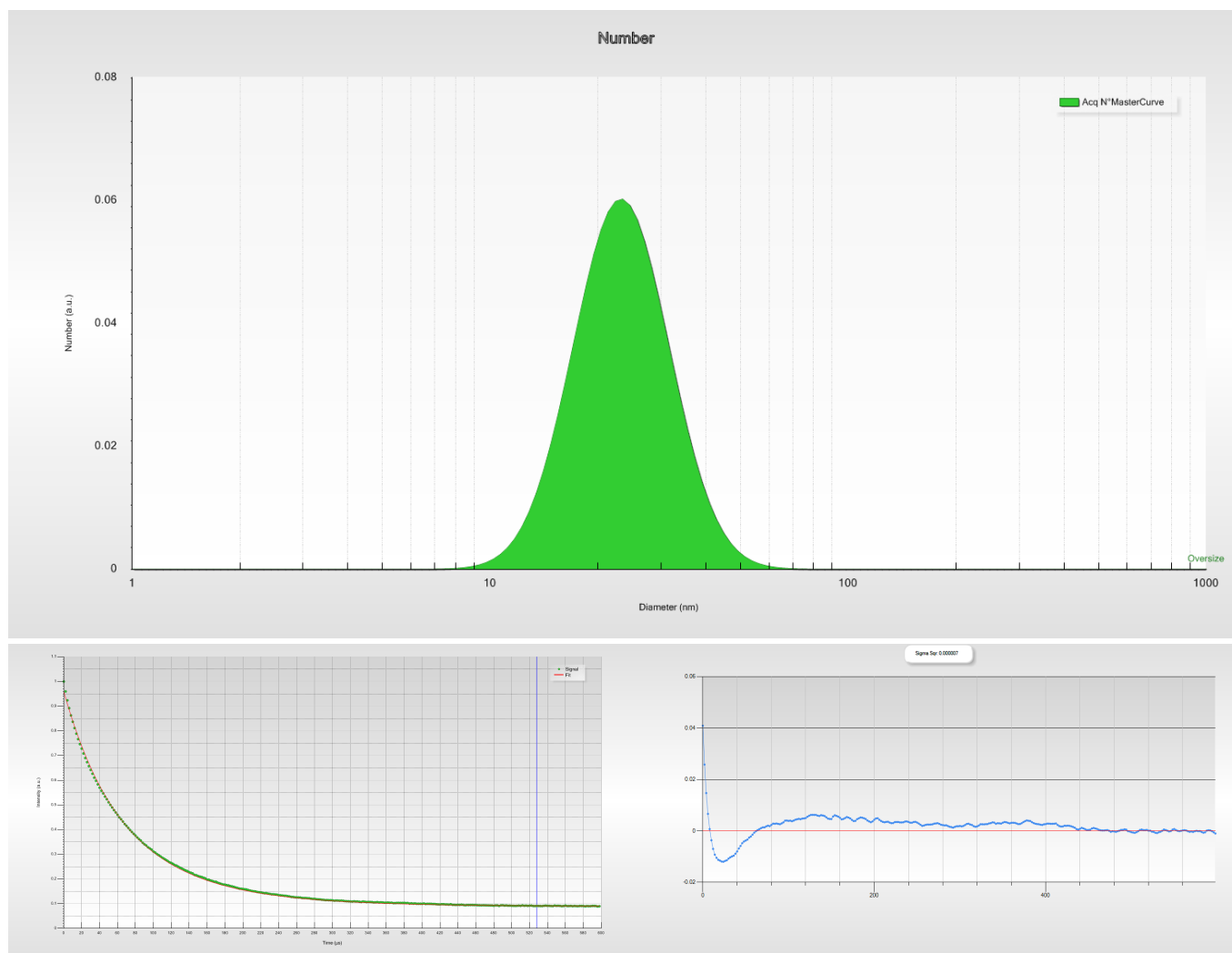
Di 50%: 40.78 nm

Di 90%: 59.03 nm

Std Dev: 31.11%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
35.05	0.87	7410.94	14.02029E-012



Distribution statistics

Dn 10%: 15.44 nm
Mean Number: 24.28 nm
PDI : 0.3871

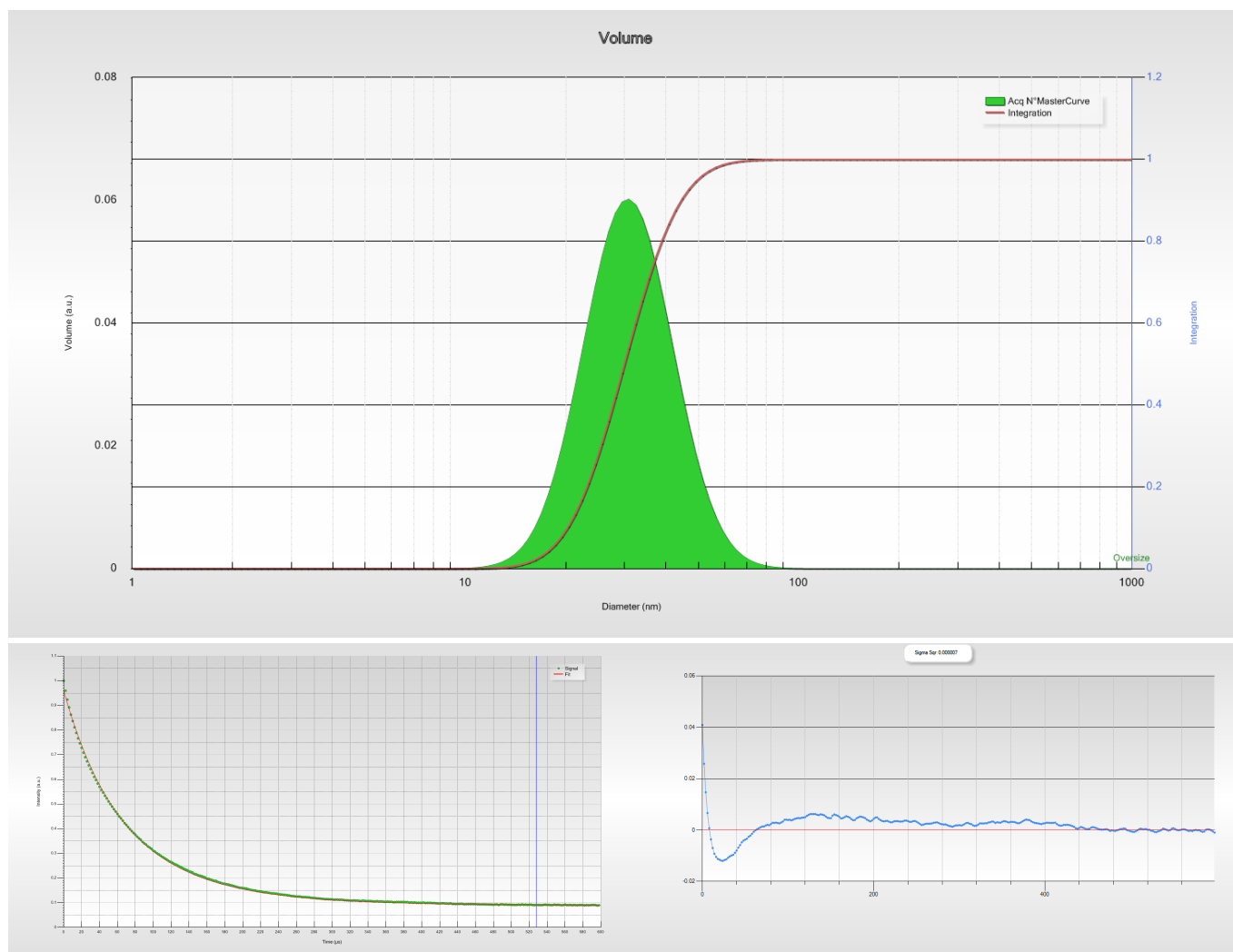
Dn 50%: 23.41 nm

Dn 90%: 33.89 nm

Std Dev: 31.11%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
35.05	0.87	7410.94	14.02029E-012



Distribution statistics

Dv 10%: 20.38 nm
Mean Volume: 32.17 nm
PDI : 0.3871

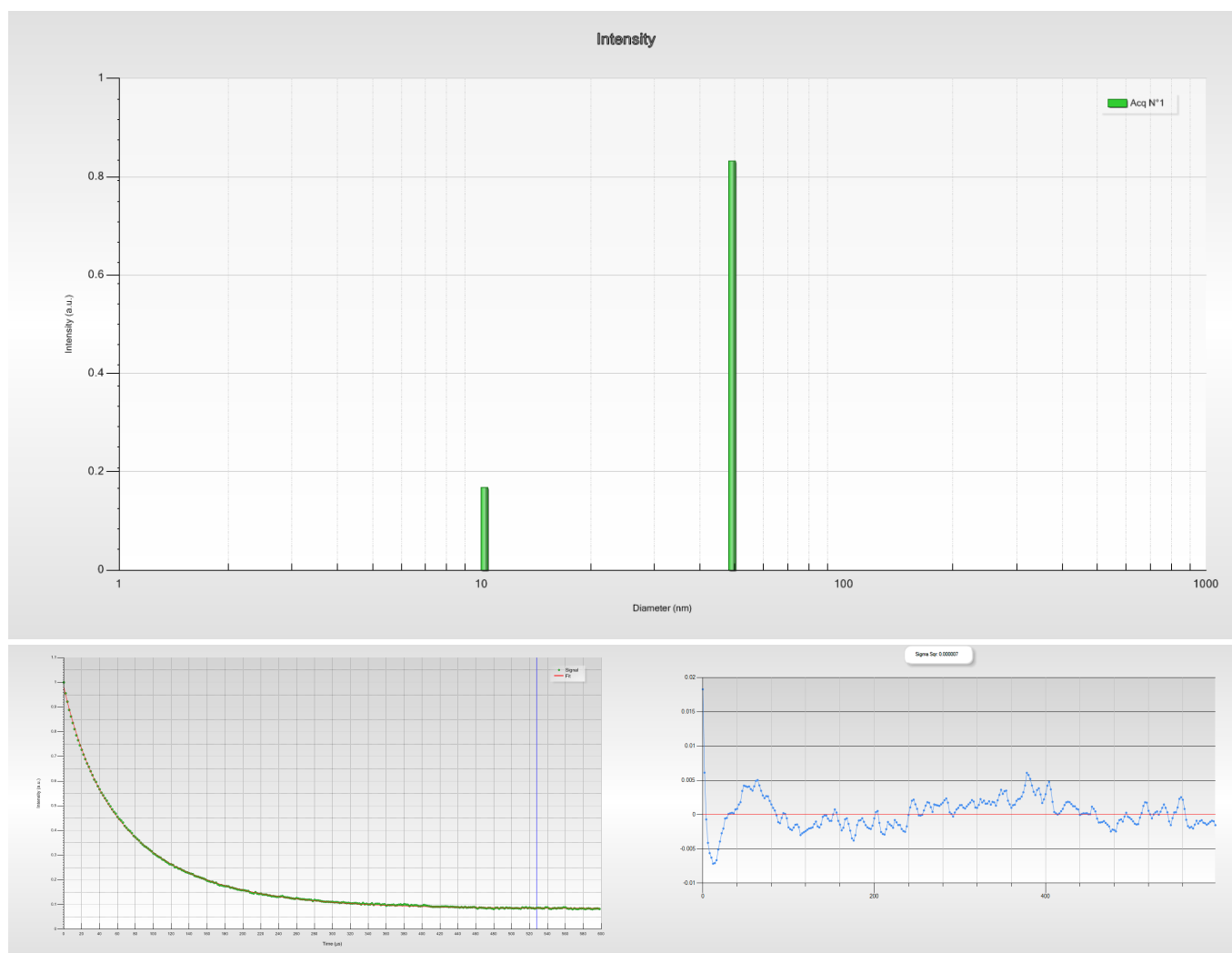
Dv 50%: 30.9 nm

Dv 90%: 44.73 nm

Std Dev: 31.11%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
35.05	0.87	7410.94	14.02029E-012



Dispersion statistics

Di 10%: 10.19 nm
Mean Intensity: 42.53 nm

Di 50%: 49.06 nm

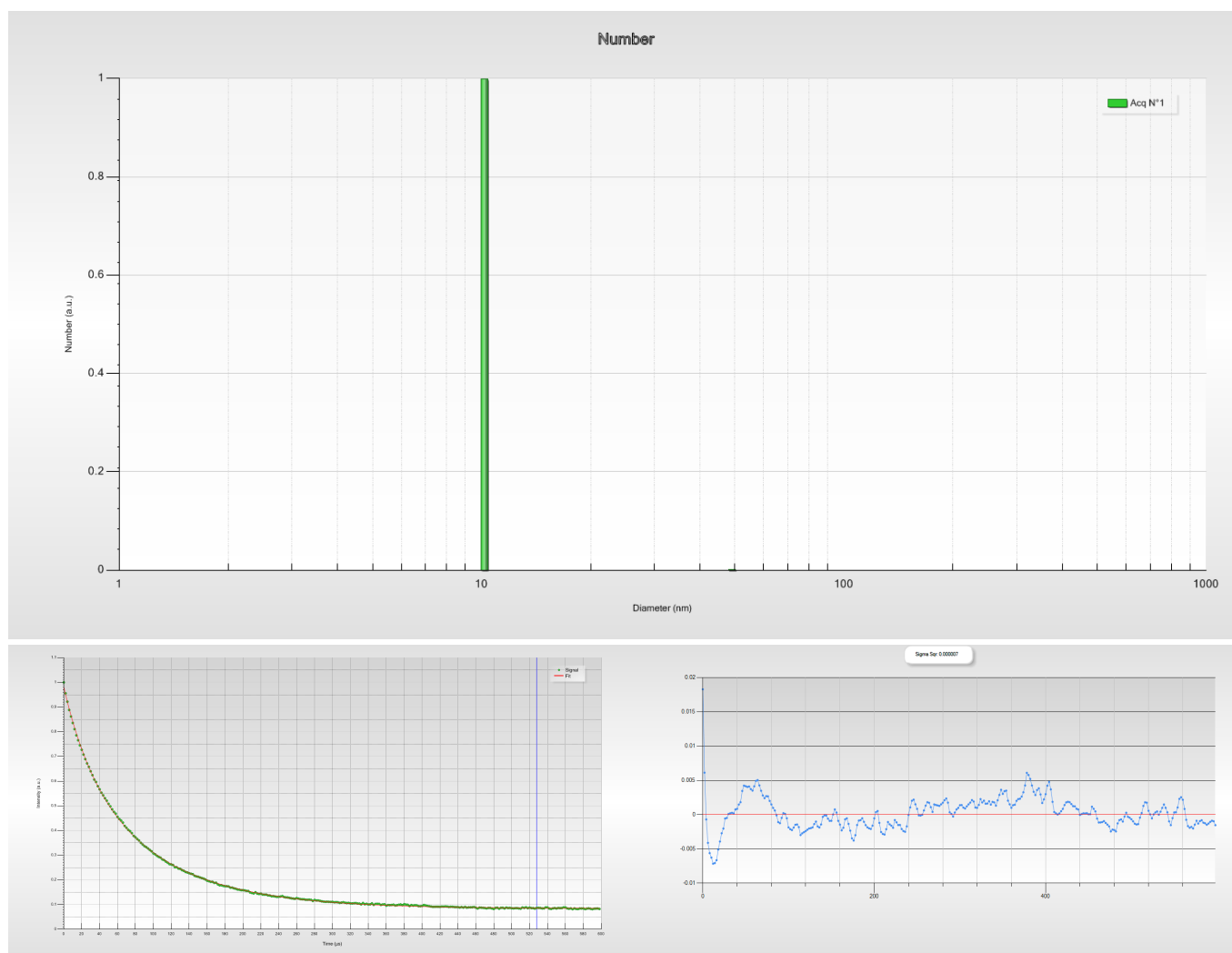
Di 90%: 49.06 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
10.04	0.16	25864.15	48.93077E-012
49.14	0.79	5286.99	10.00213E-012

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
10.19	0.17	49.06	0.83



Dispersion statistics

Dn 10%: 10.19 nm
Mean Number: 10.2 nm

Dn 50%: 10.19 nm

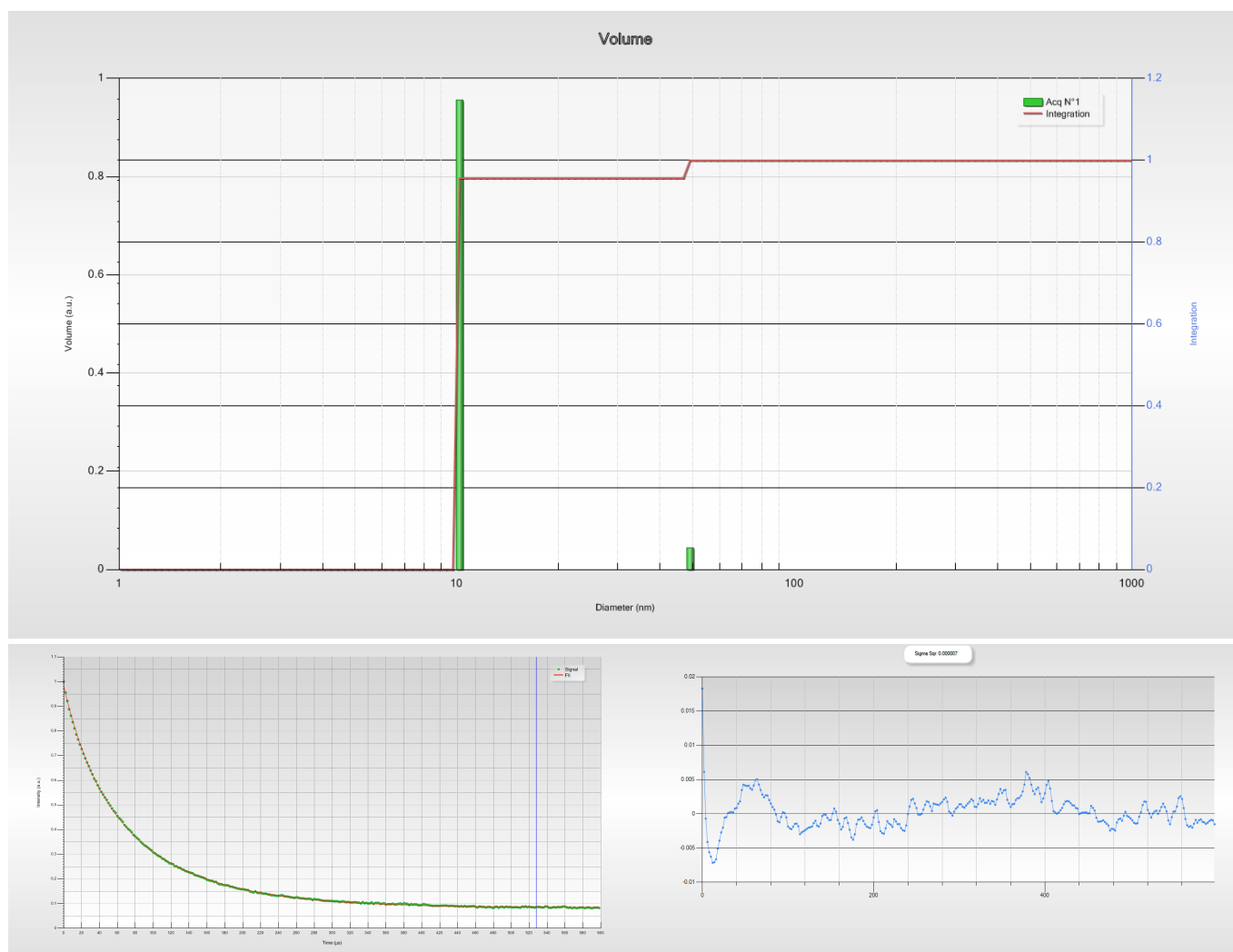
Dn 90%: 10.19 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
10.04	0.16	25864.15	48.93077E-012
49.14	0.79	5286.99	10.00213E-012

Dispersion datas

Size (nm)	Number
10.19	1



Dispersion statistics

Dv 10%: 10.19 nm
Mean Volume: 11.88 nm

Dv 50%: 10.19 nm

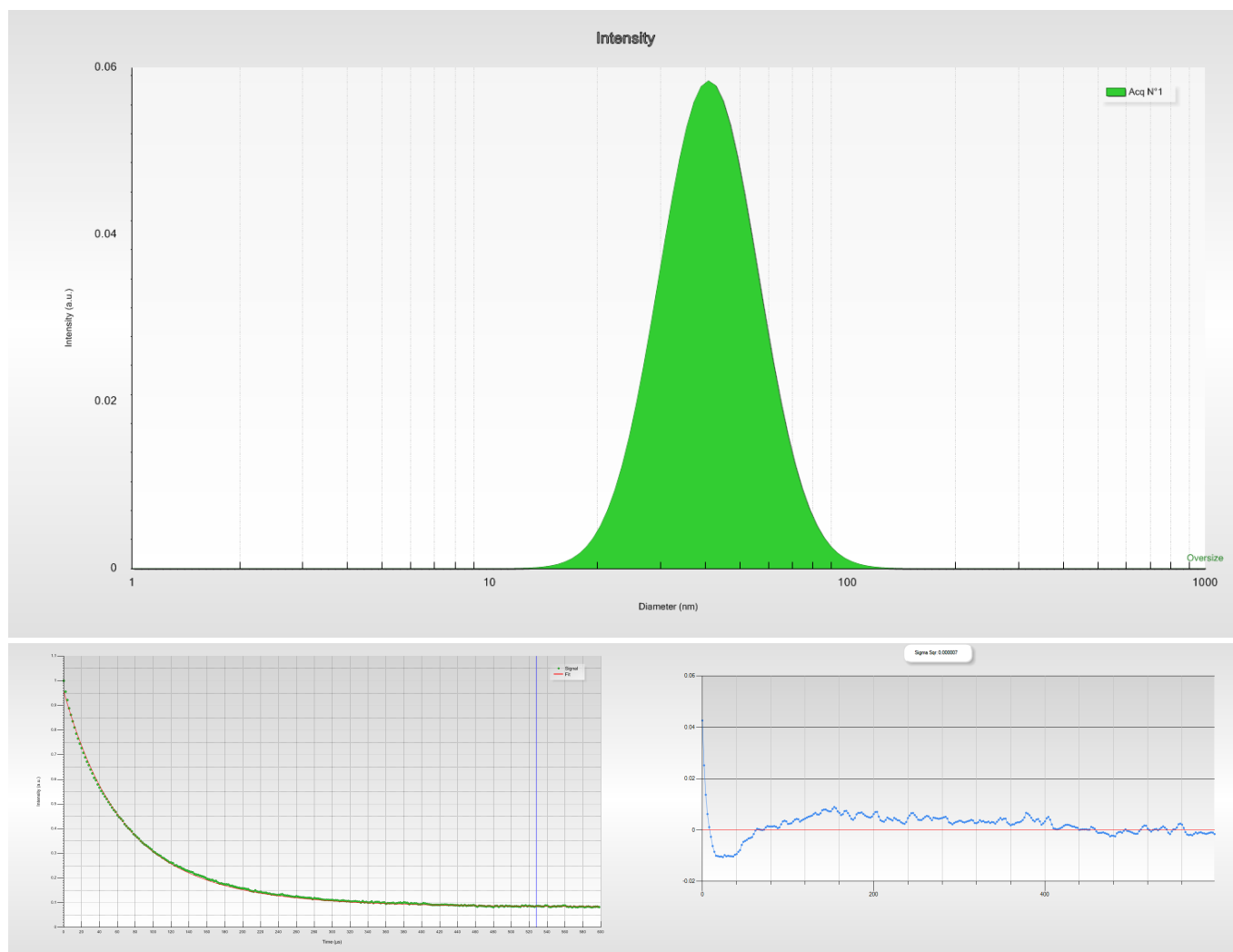
Dv 90%: 10.19 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
10.04	0.16	25864.15	48.93077E-012
49.14	0.79	5286.99	10.00213E-012

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
10.19	0.96	49.06	0.04

**Distribution statistics**

Di 10%: 26.9 nm
Mean Intensity: 42.95 nm
PDI : 0.41924

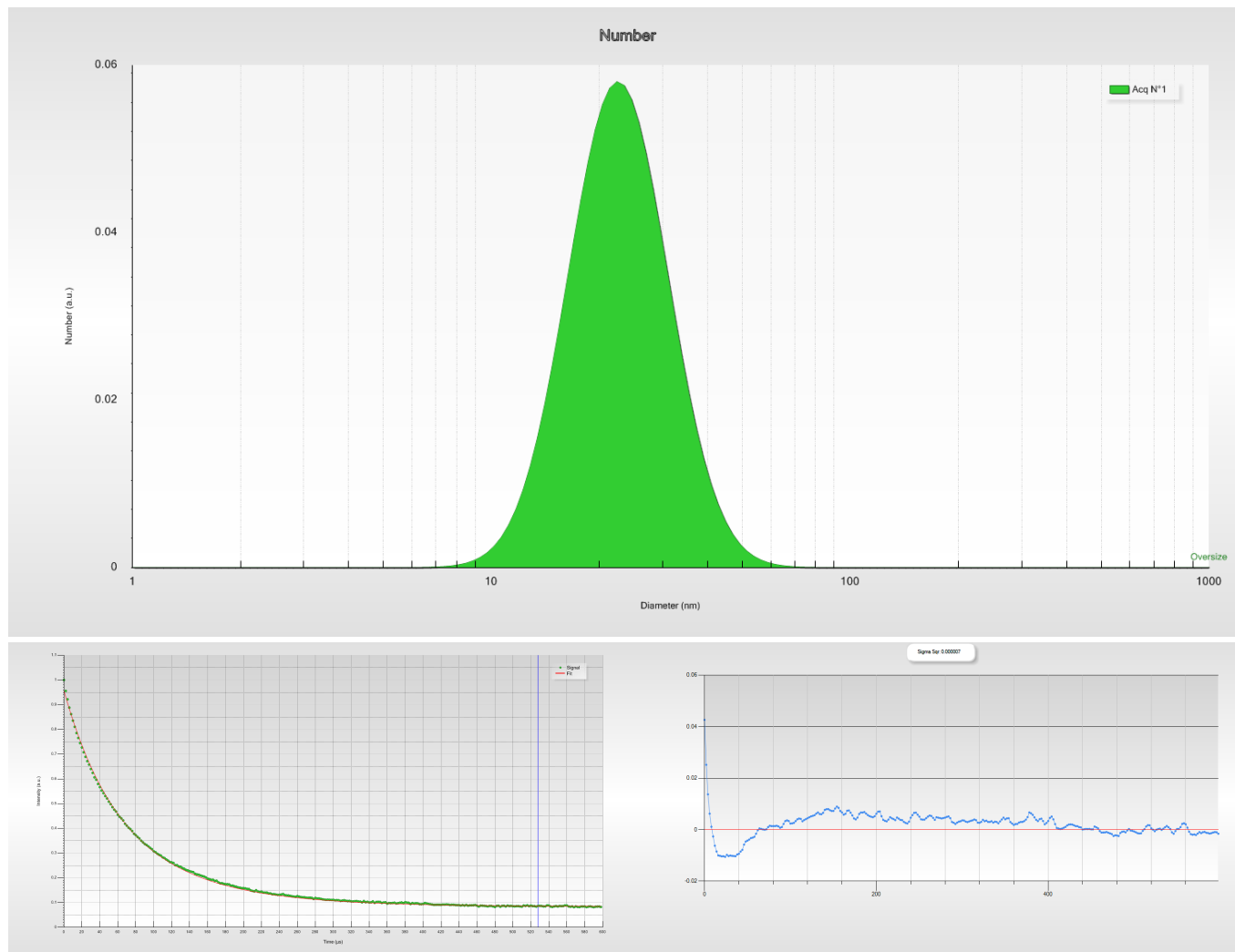
Di 50%: 40.78 nm

Di 90%: 61.83 nm

Std Dev: 32.37%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.18	0.87	7384.24	13.96978E-012

**Distribution statistics**

Dn 10%: 14.75 nm
Mean Number: 23.67 nm
PDI : 0.41924

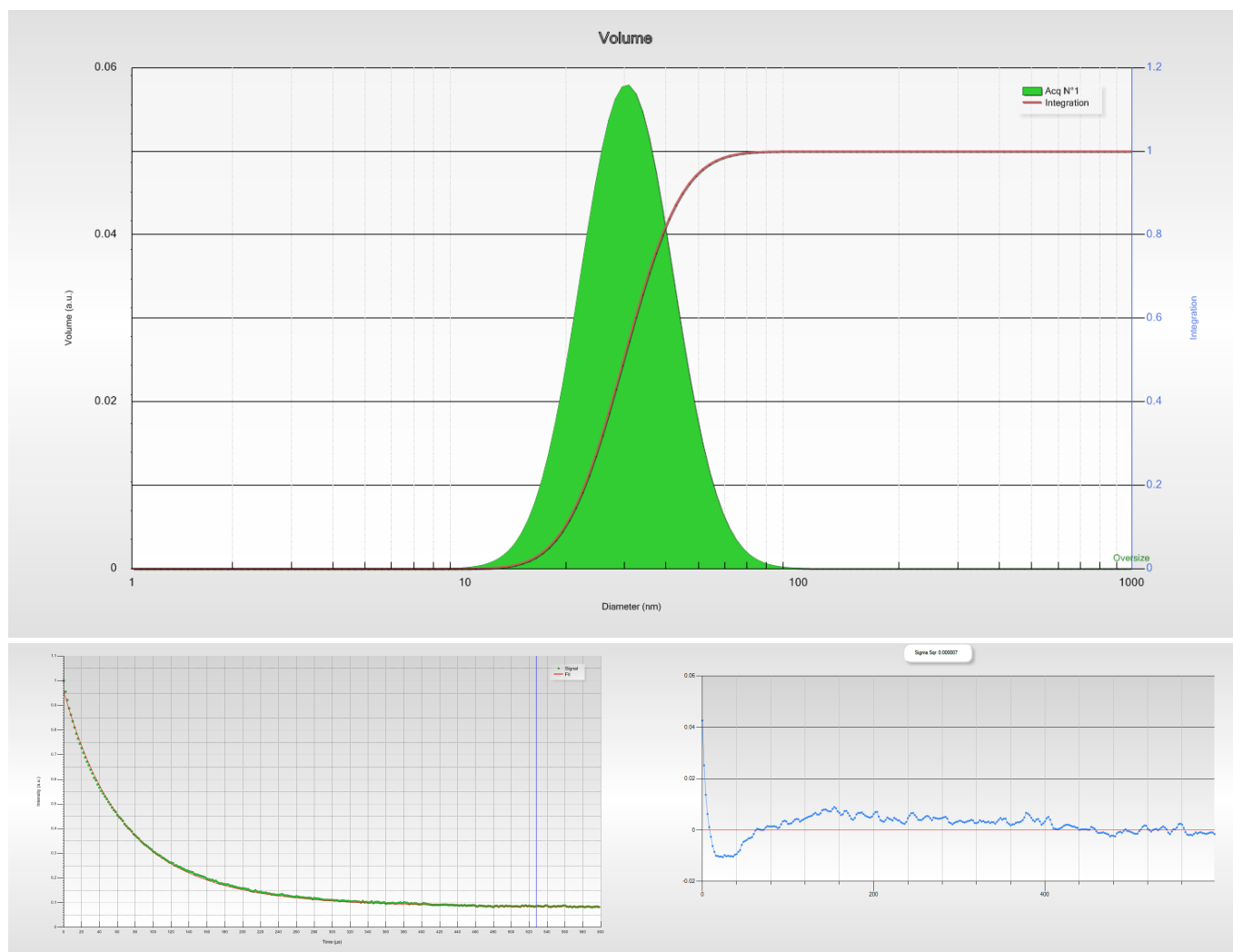
Dn 50%: 22.36 nm

Dn 90%: 33.89 nm

Std Dev: 32.37%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.18	0.87	7384.24	13.96978E-012



Distribution statistics

Dv 10%: 20.38 nm
Mean Volume: 32.06 nm
PDI : 0.41924

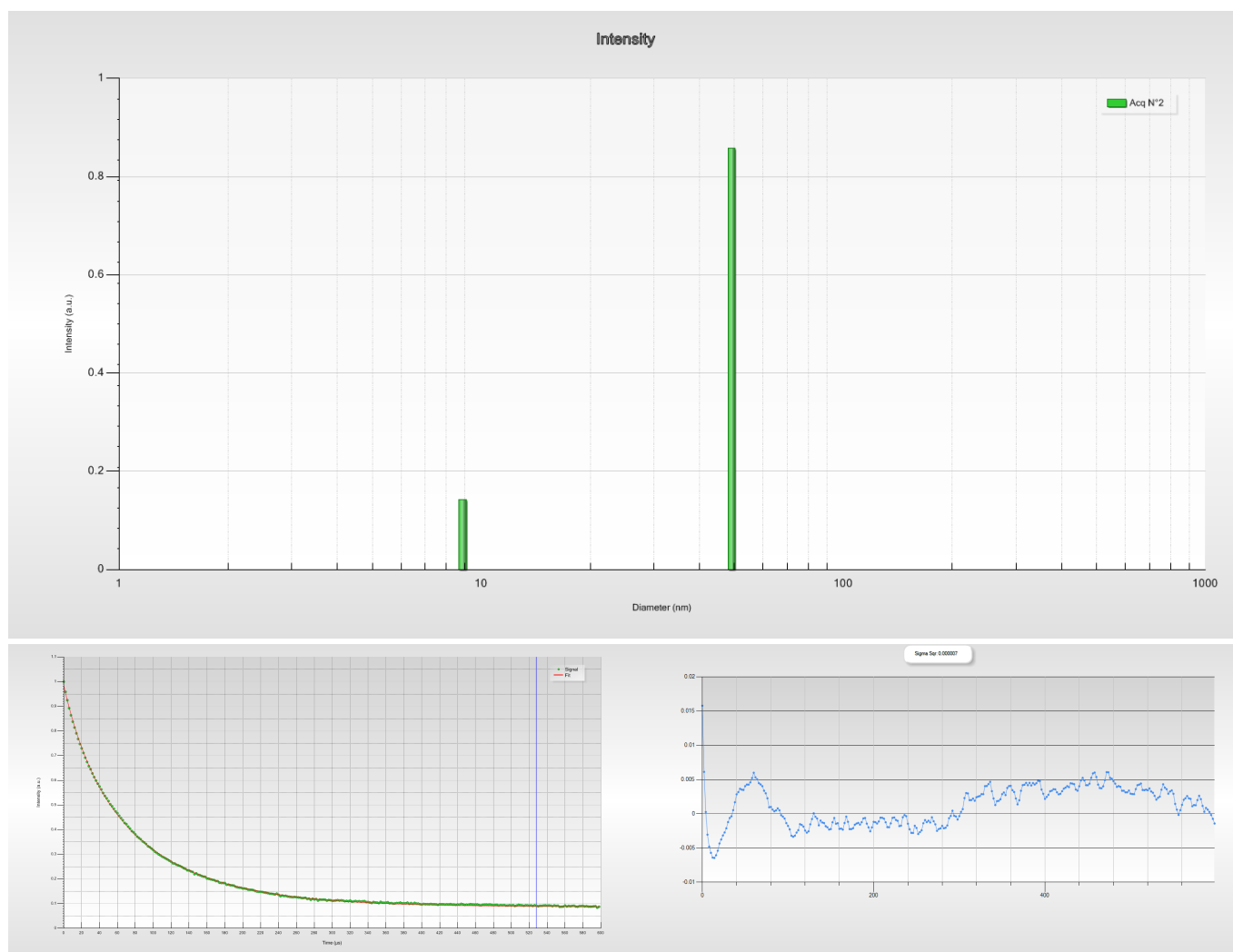
Dv 50%: 30.9 nm

Dv 90%: 46.85 nm

Std Dev: 32.37%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.18	0.87	7384.24	13.96978E-012



Dispersion statistics

Di 10%: 8.87 nm
Mean Intensity: 43.32 nm

Di 50%: 49.06 nm

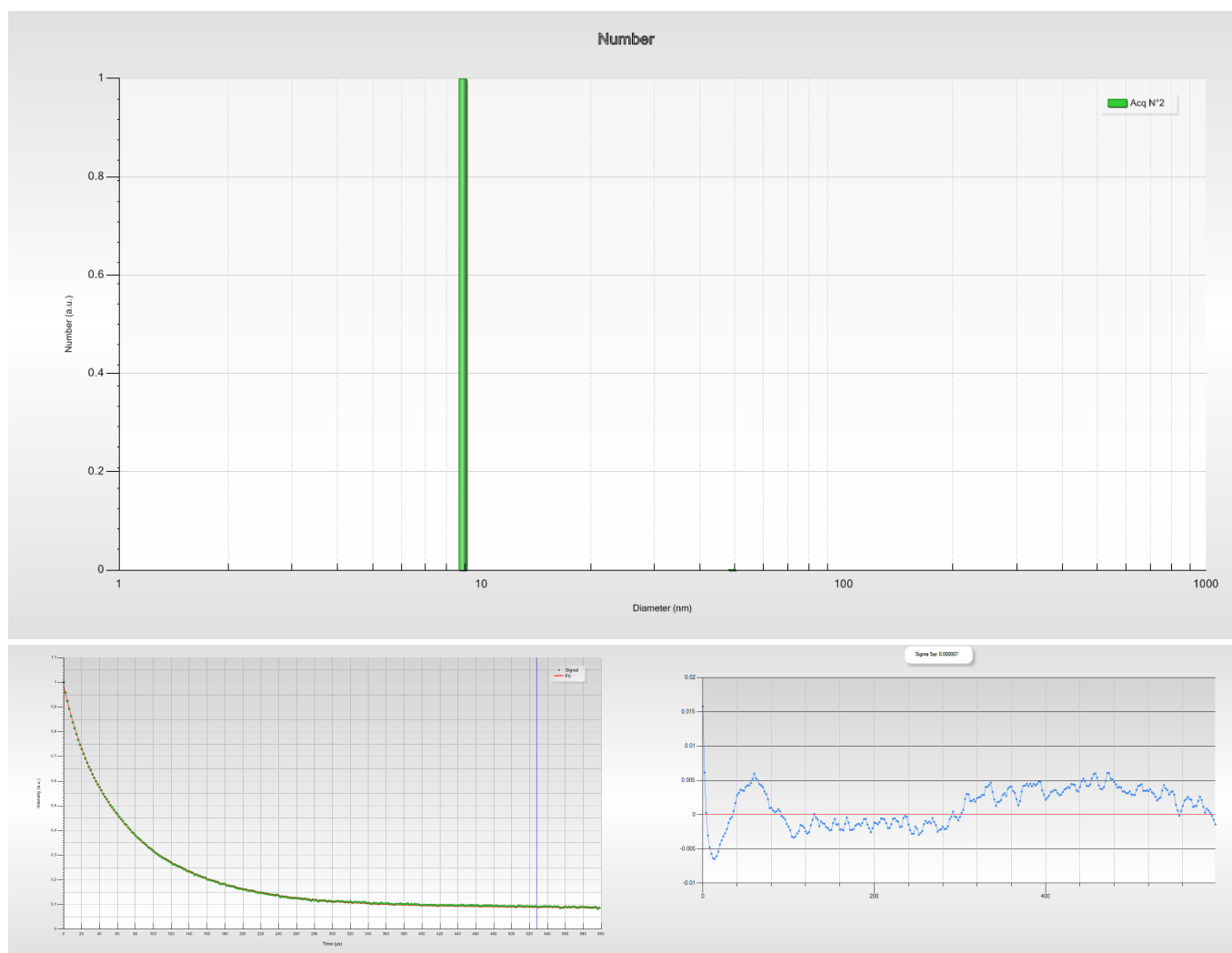
Di 90%: 49.06 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
8.76	0.14	29649.74	56.09251E-012
48.42	0.81	5365.79	10.1512E-012

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
8.87	0.14	49.06	0.86



Dispersion statistics

Dn 10%: 8.87 nm
Mean Number: 8.88 nm

Dn 50%: 8.87 nm

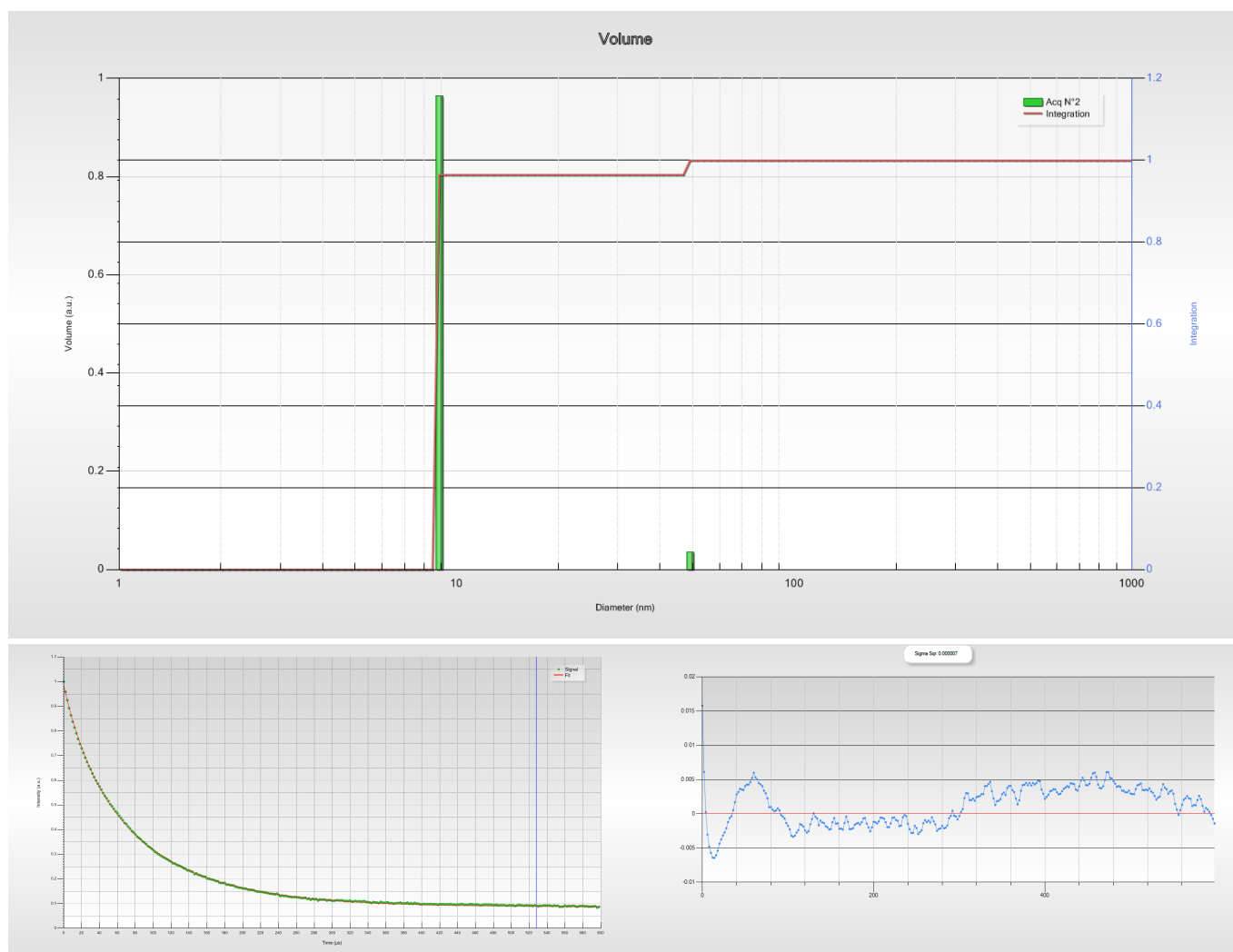
Dn 90%: 8.87 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
8.76	0.14	29649.74	56.09251E-012
48.42	0.81	5365.79	10.1512E-012

Dispersion datas

Size (nm)	Number
8.87	1



Dispersion statistics

Dv 10%: 8.87 nm
Mean Volume: 10.28 nm

Dv 50%: 8.87 nm

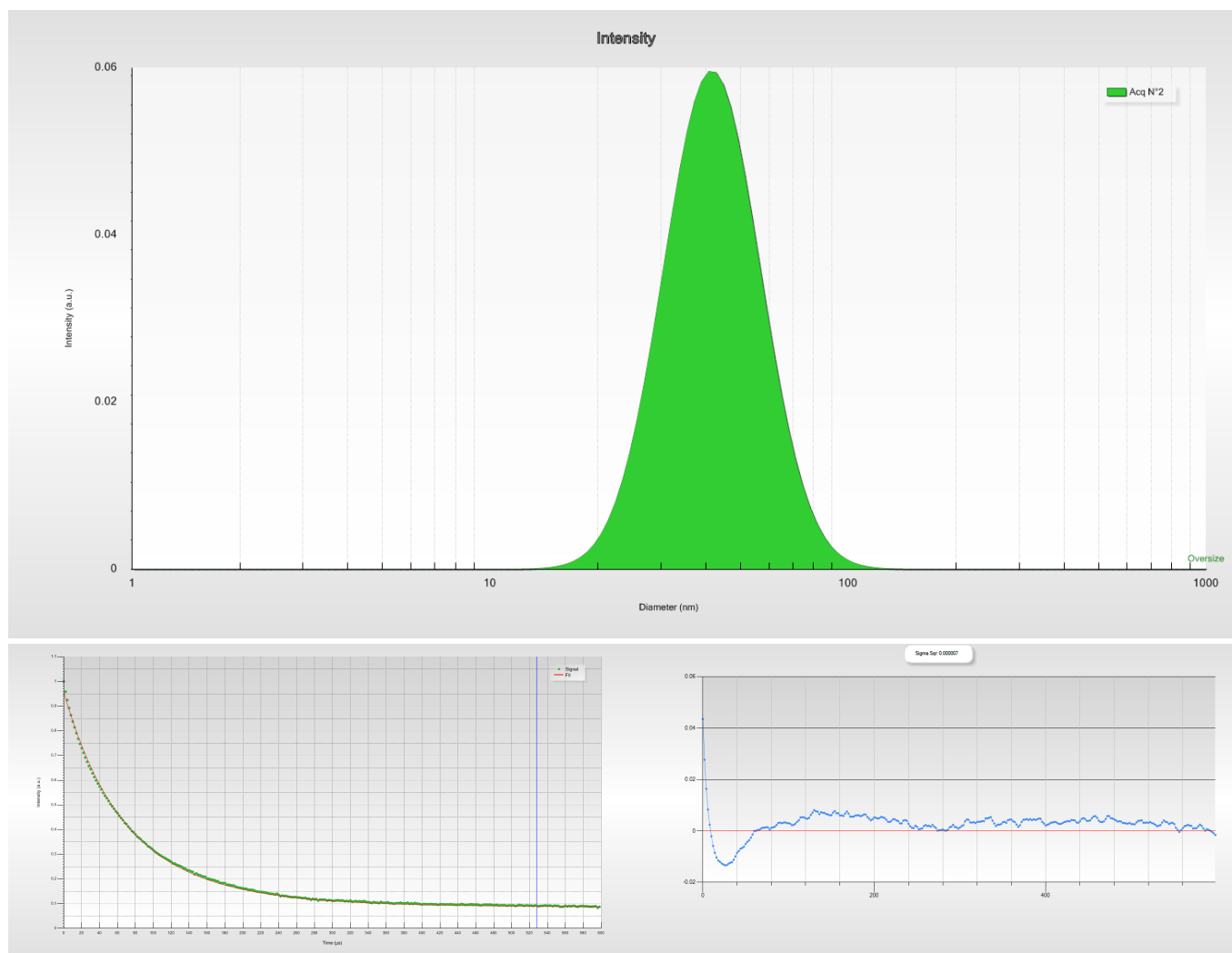
Dv 90%: 8.87 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
8.76	0.14	29649.74	56.09251E-012
48.42	0.81	5365.79	10.1512E-012

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
8.87	0.96	49.06	0.04

**Distribution statistics**

Di 10%: 28.17 nm
Mean Intensity: 43.58 nm
PDI : 0.40115

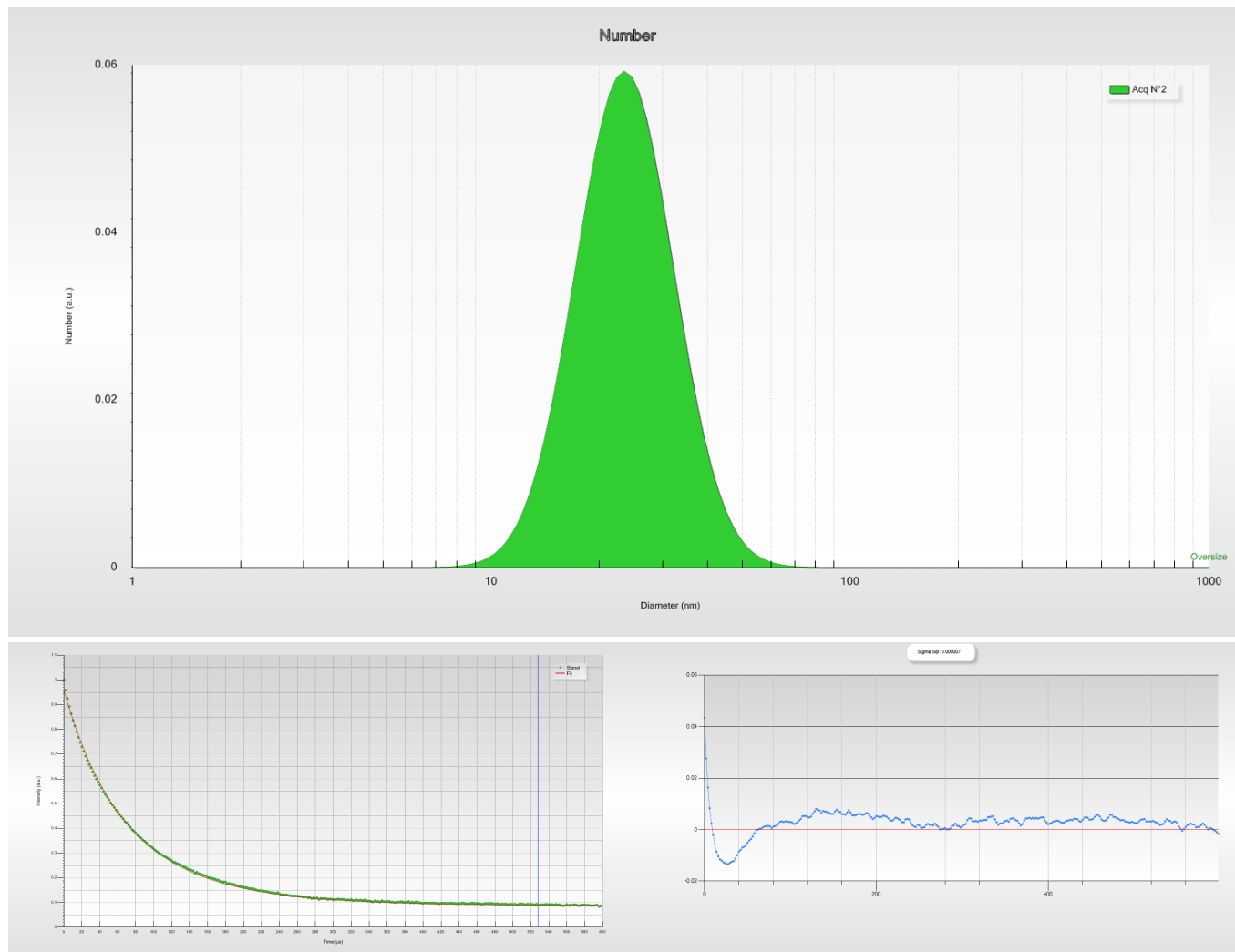
Di 50%: 40.78 nm

Di 90%: 61.83 nm

Std Dev: 31.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.99	0.87	7217.76	13.65484E-012

**Distribution statistics**

Dn 10%: 15.44 nm
Mean Number: 24.61 nm
PDI : 0.40115

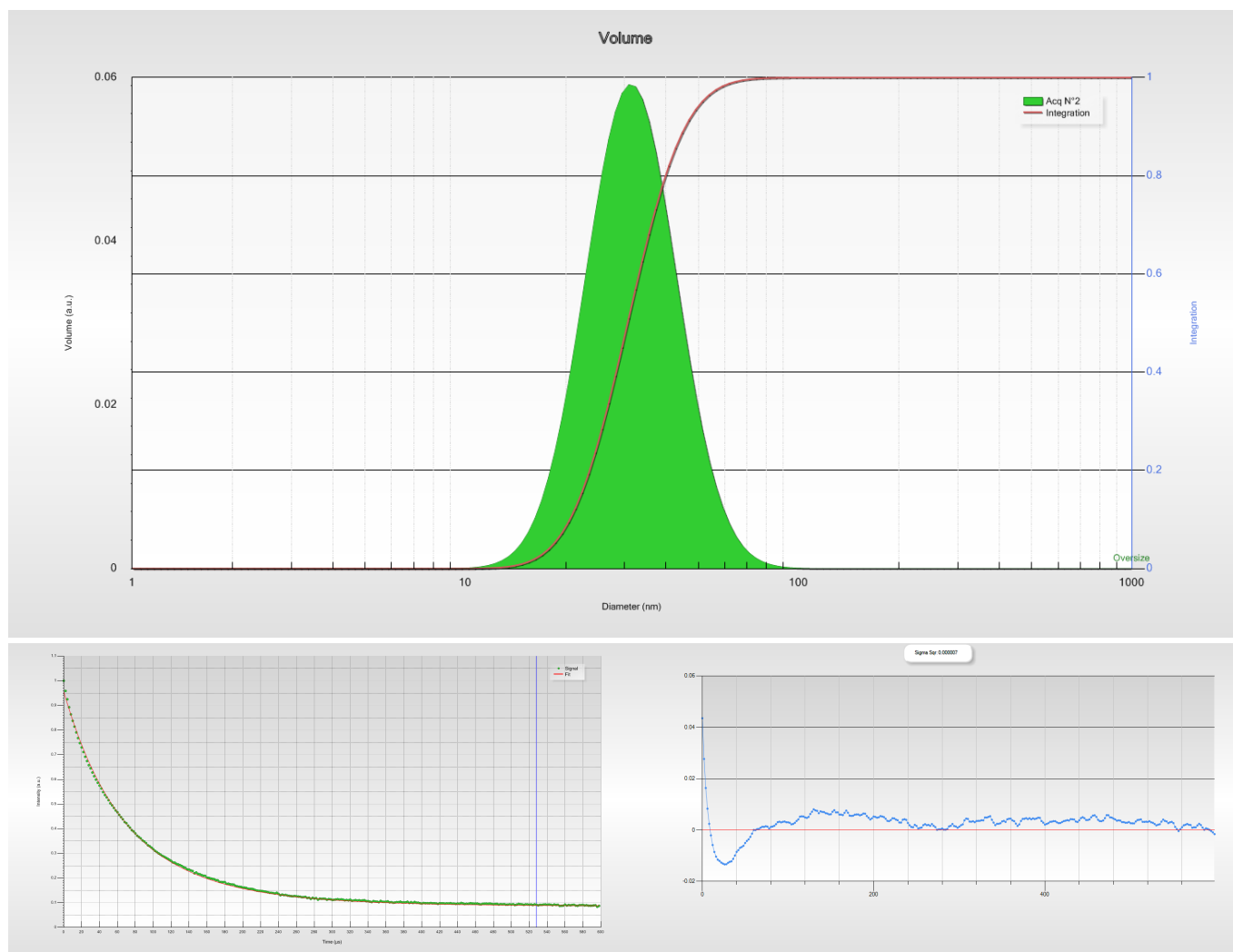
Dn 50%: 23.41 nm

Dn 90%: 35.5 nm

Std Dev: 31.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.99	0.87	7217.76	13.65484E-012

**Distribution statistics**

Dv 10%: 21.35 nm
Mean Volume: 32.93 nm
PDI : 0.40115

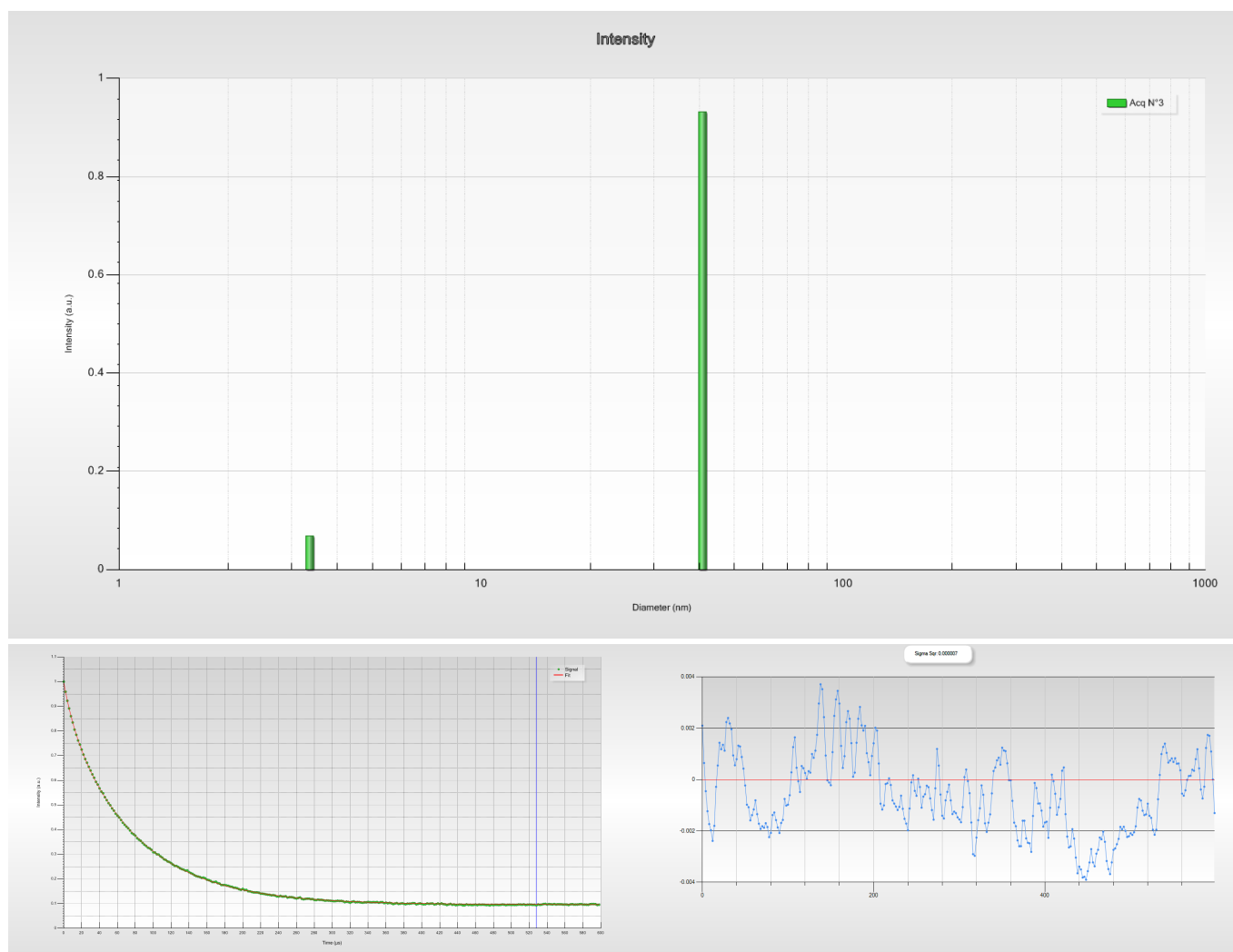
Dv 50%: 30.9 nm

Dv 90%: 46.85 nm

Std Dev: 31.67%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
35.99	0.87	7217.76	13.65484E-012



Dispersion statistics

Di 10%: 40.78 nm
Mean Intensity: 38.2 nm

Di 50%: 40.78 nm

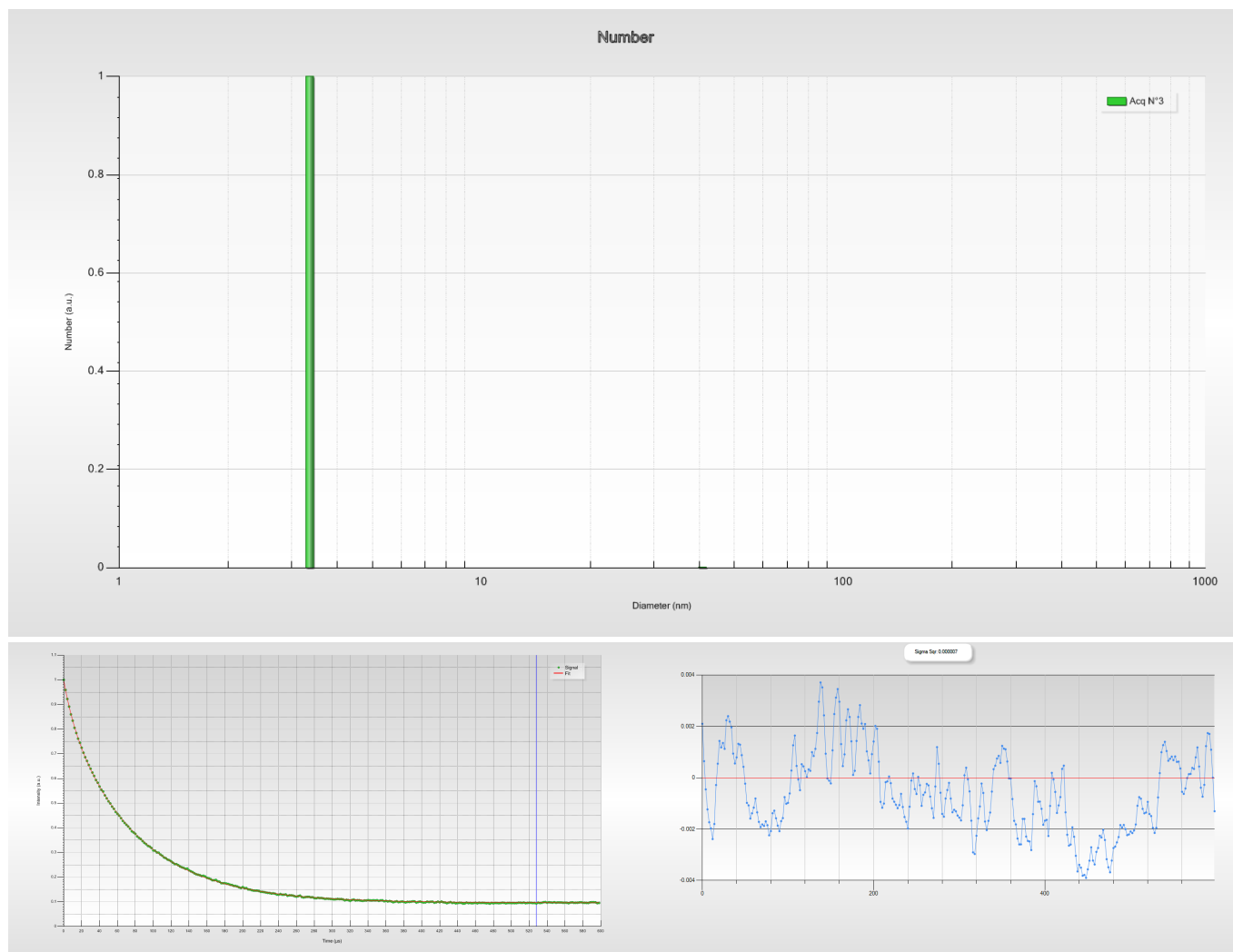
Di 90%: 40.78 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
3.42	0.07	75997.58	14.37751E-011
40.43	0.88	6426.08	12.15711E-012

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
3.36	0.07	40.78	0.93



Dispersion statistics

Dn 10%: 3.36 nm
Mean Number: 3.36 nm

Dn 50%: 3.36 nm

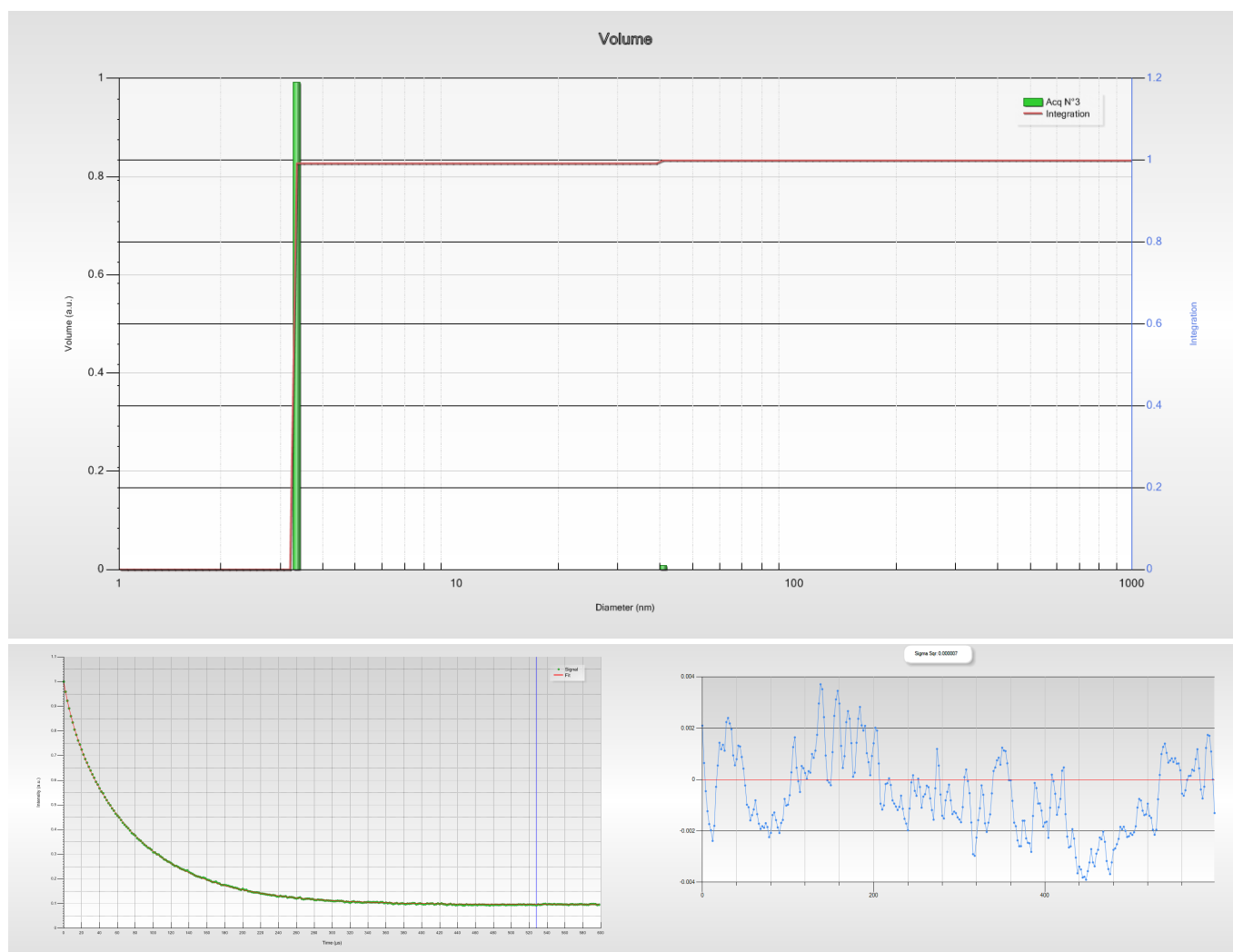
Dn 90%: 3.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
3.42	0.07	75997.58	14.37751E-011
40.43	0.88	6426.08	12.15711E-012

Dispersion datas

Size (nm)	Number
3.36	1



Dispersion statistics

Dv 10%: 3.36 nm
Mean Volume: 3.64 nm

Dv 50%: 3.36 nm

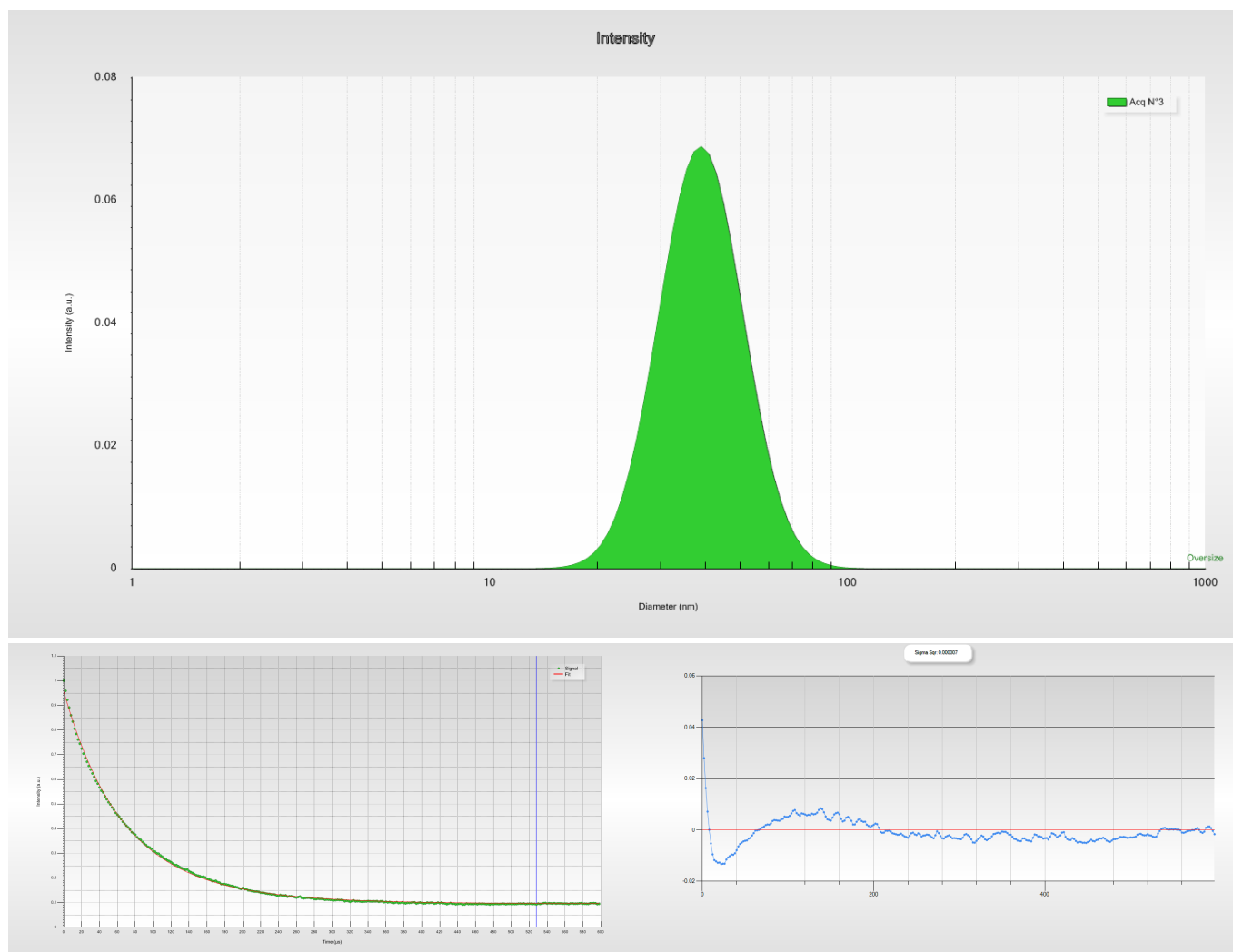
Dv 90%: 3.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
3.42	0.07	75997.58	14.37751E-011
40.43	0.88	6426.08	12.15711E-012

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
3.36	0.99	40.78	0.01



Distribution statistics

Di 10%: 28.17 nm
Mean Intensity: 40.23 nm
PDI : 0.29812

Di 50%: 38.94 nm

Di 90%: 53.82 nm

Std Dev: 27.3%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.83	0.86	7458.37	14.11003E-012

**Distribution statistics**

Dn 10%: 17.74 nm
Mean Number: 26.18 nm
PDI : 0.29812

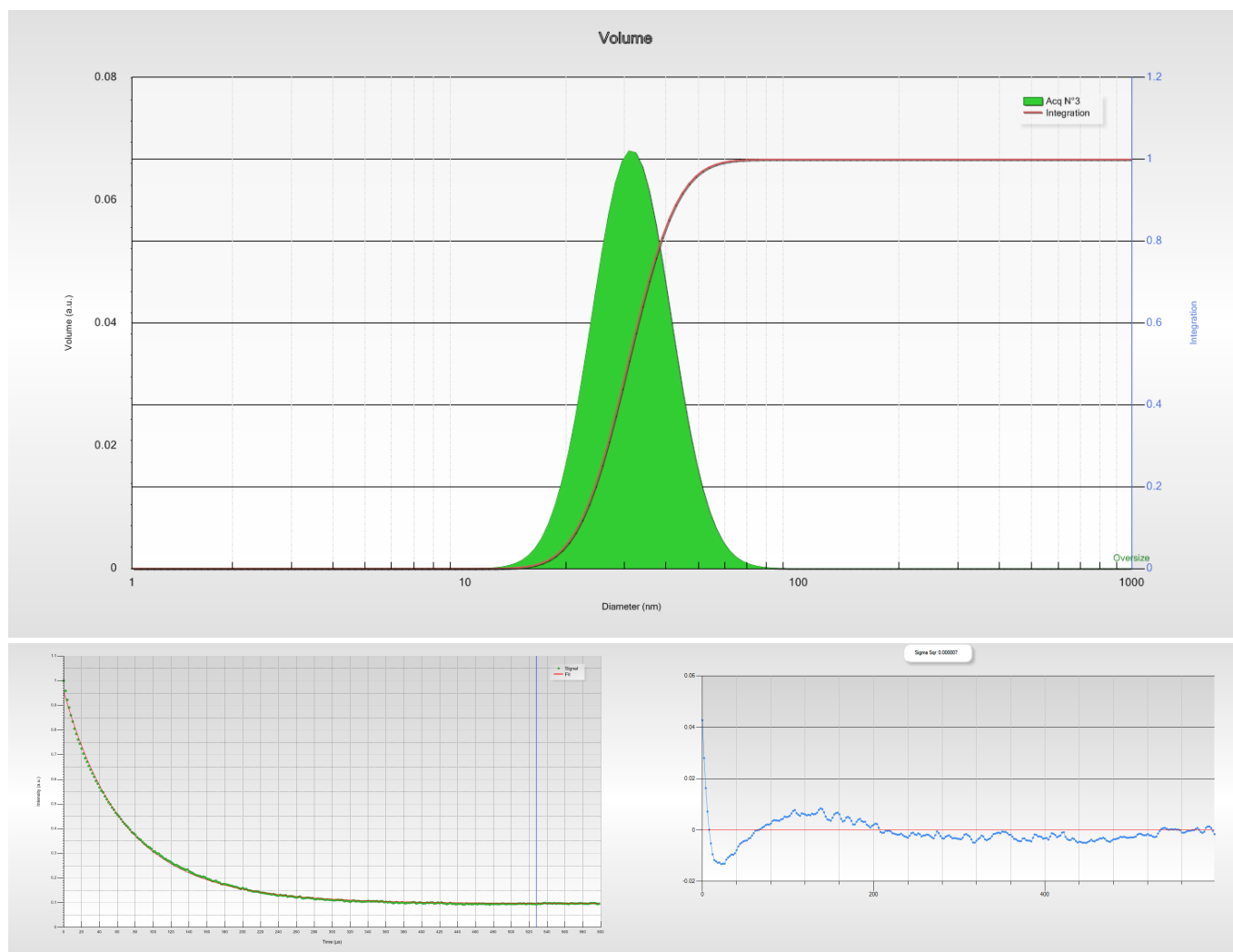
Dn 50%: 25.68 nm

Dn 90%: 35.5 nm

Std Dev: 27.3%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.83	0.86	7458.37	14.11003E-012

**Distribution statistics**

Dv 10%: 22.36 nm
Mean Volume: 32.61 nm
PDI : 0.29812

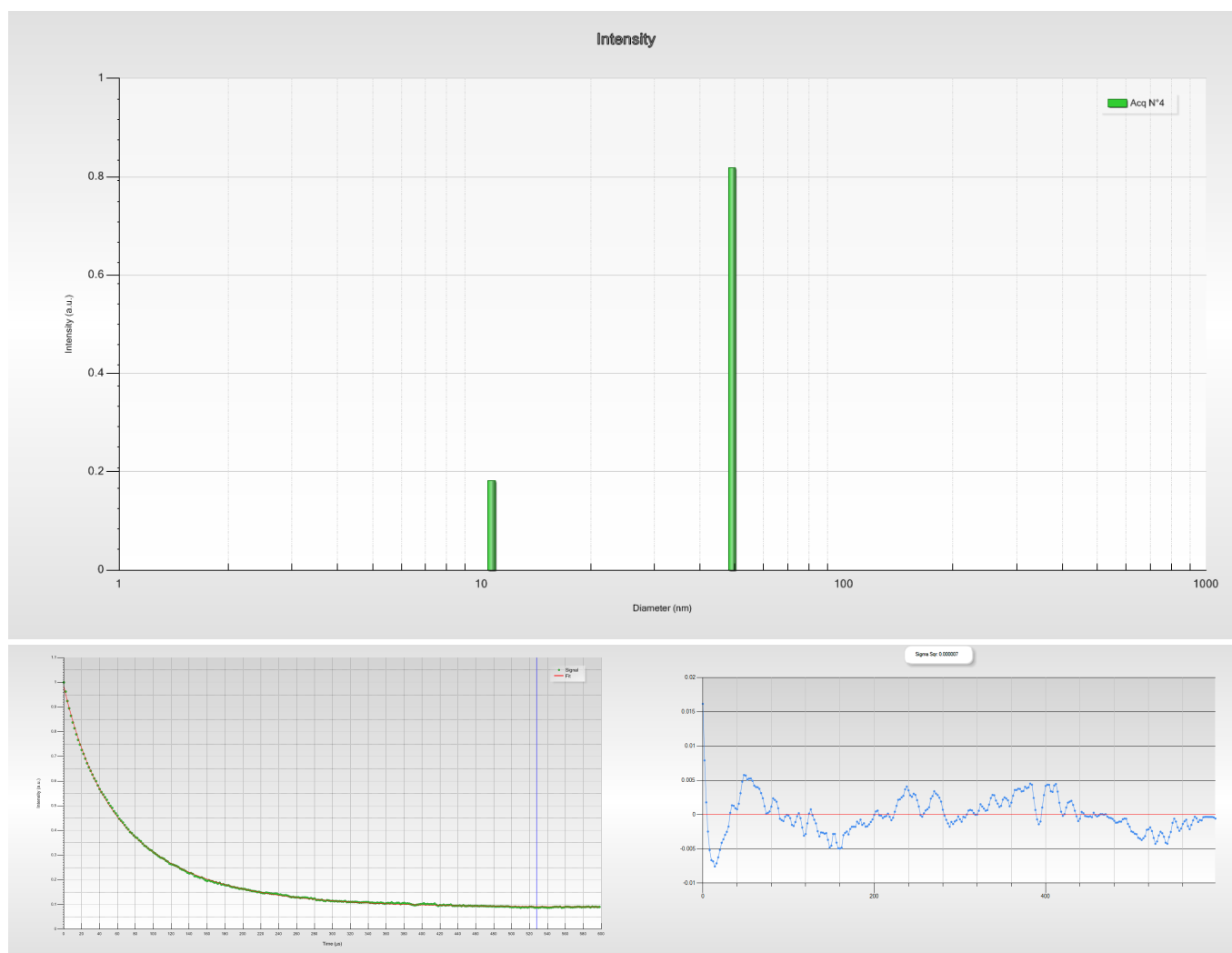
Dv 50%: 30.9 nm

Dv 90%: 44.73 nm

Std Dev: 27.3%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.83	0.86	7458.37	14.11003E-012



Dispersion statistics

Di 10%: 10.67 nm
Mean Intensity: 42.06 nm

Di 50%: 49.06 nm

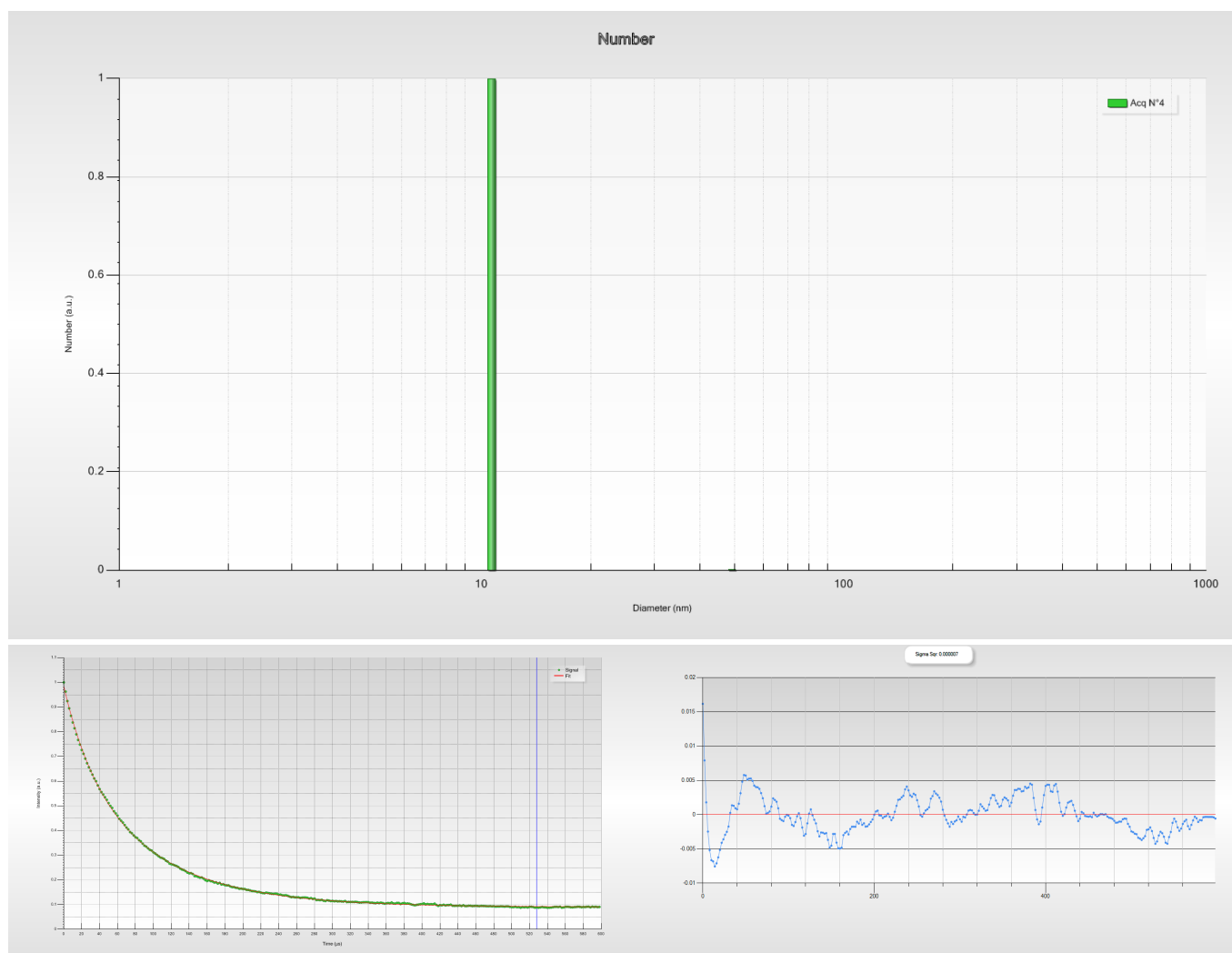
Di 90%: 49.06 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
10.69	0.17	24306.07	45.98315E-012
49.37	0.77	5262.46	99.55729E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
10.67	0.18	49.06	0.82



Dispersion statistics

Dn 10%: 10.67 nm
Mean Number: 10.69 nm

Dn 50%: 10.67 nm

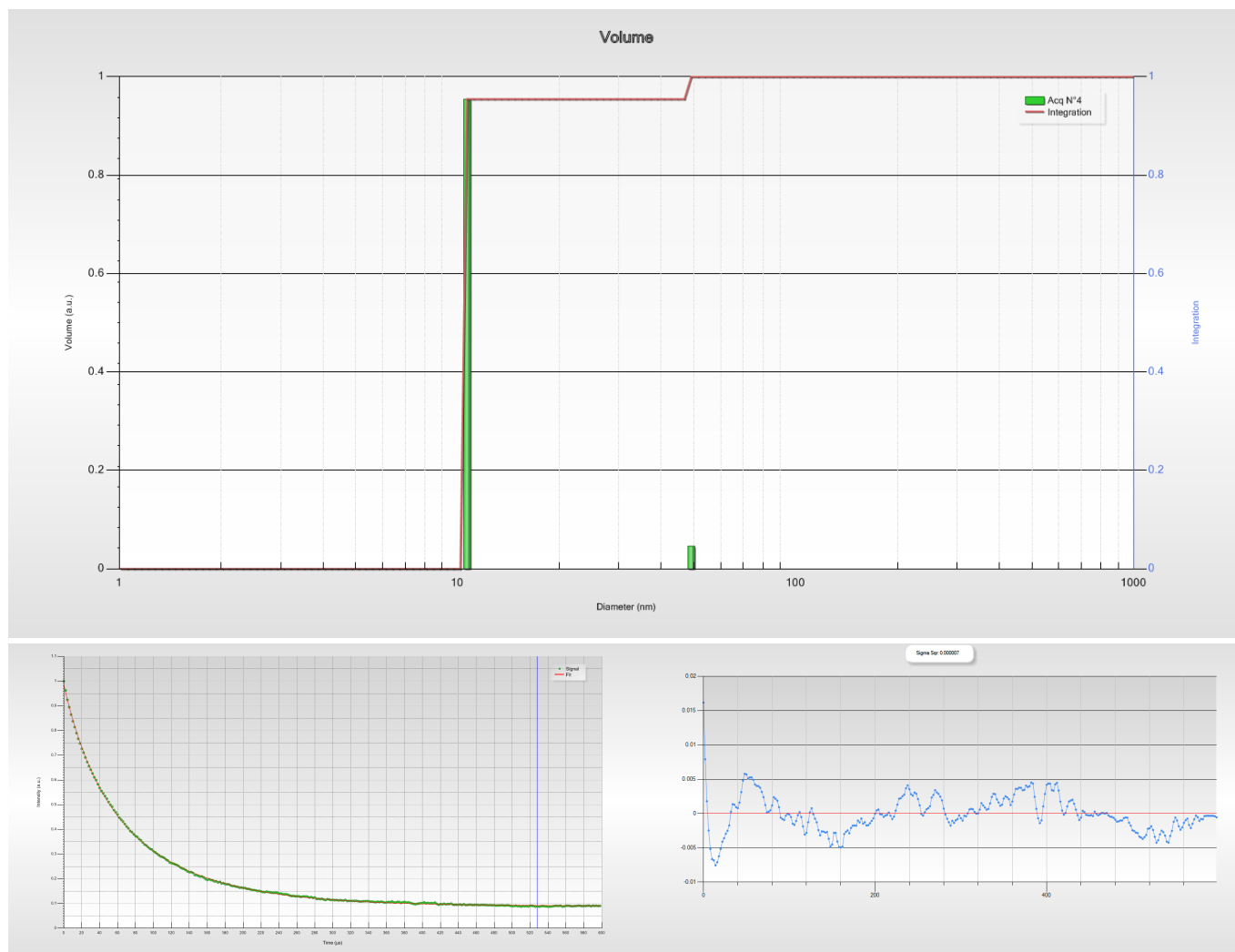
Dn 90%: 10.67 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
10.69	0.17	24306.07	45.98315E-012
49.37	0.77	5262.46	99.55729E-013

Dispersion datas

Size (nm)	Number
10.67	1



Dispersion statistics

Dv 10%: 10.67 nm
Mean Volume: 12.4 nm

Dv 50%: 10.67 nm

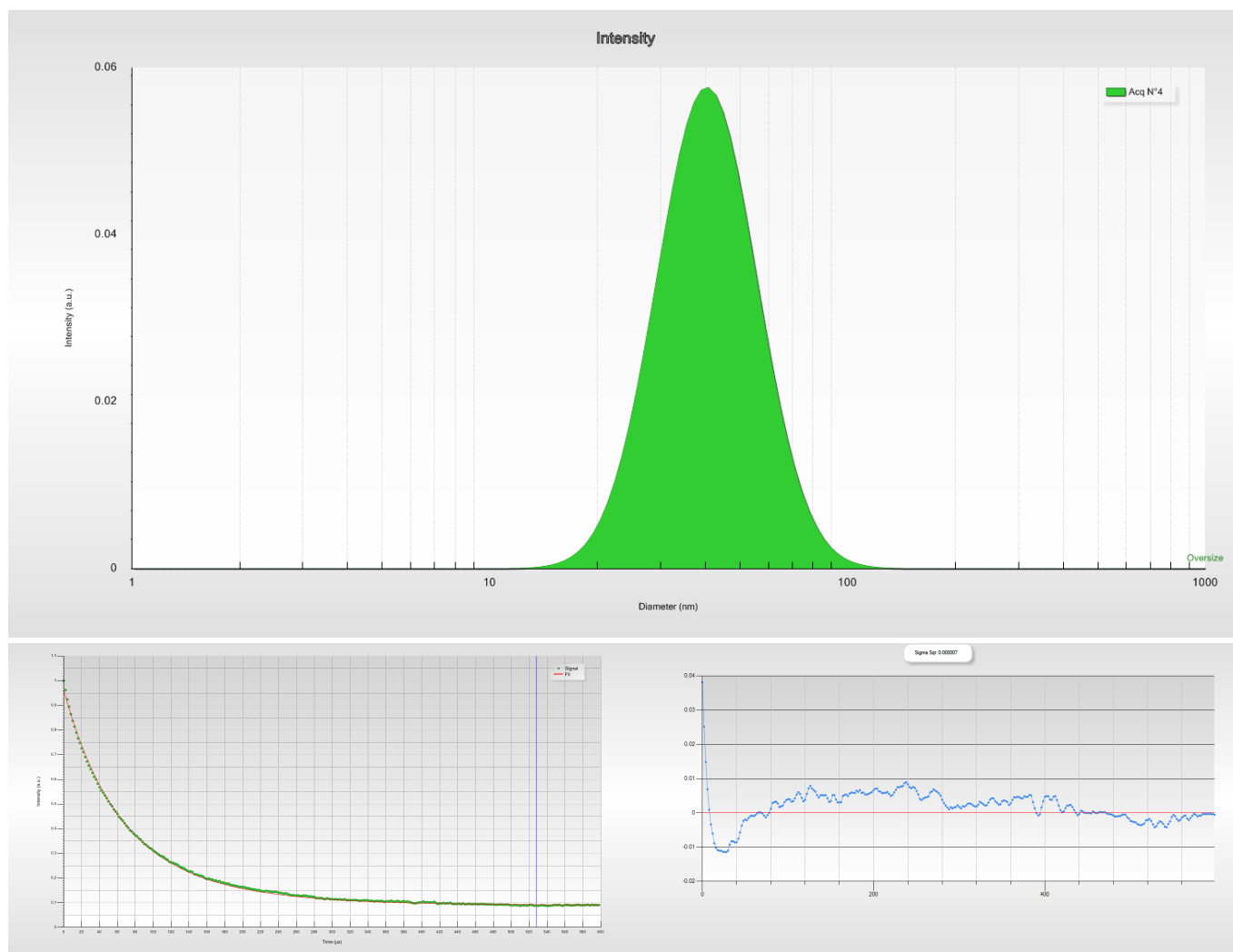
Dv 90%: 10.67 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
10.69	0.17	24306.07	45.98315E-012
49.37	0.77	5262.46	99.55729E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
10.67	0.95	49.06	0.05

**Distribution statistics**

Di 10%: 26.9 nm
Mean Intensity: 42.46 nm
PDI : 0.43096

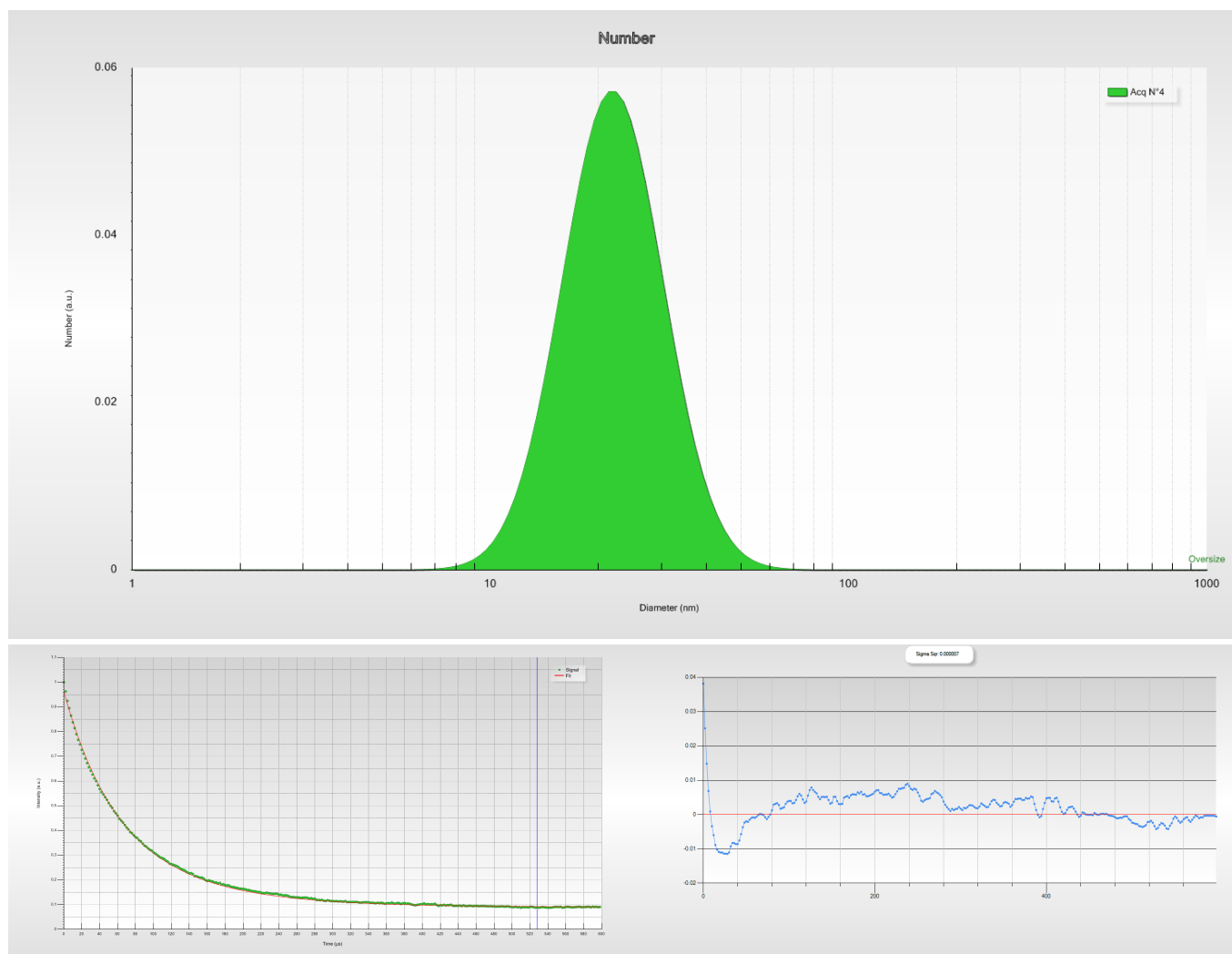
Di 50%: 40.78 nm

Di 90%: 61.83 nm

Std Dev: 32.82%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.59	0.87	7509.68	14.2071E-012

**Distribution statistics**

Dn 10%: 14.75 nm
Mean Number: 23.03 nm
PDI : 0.43096

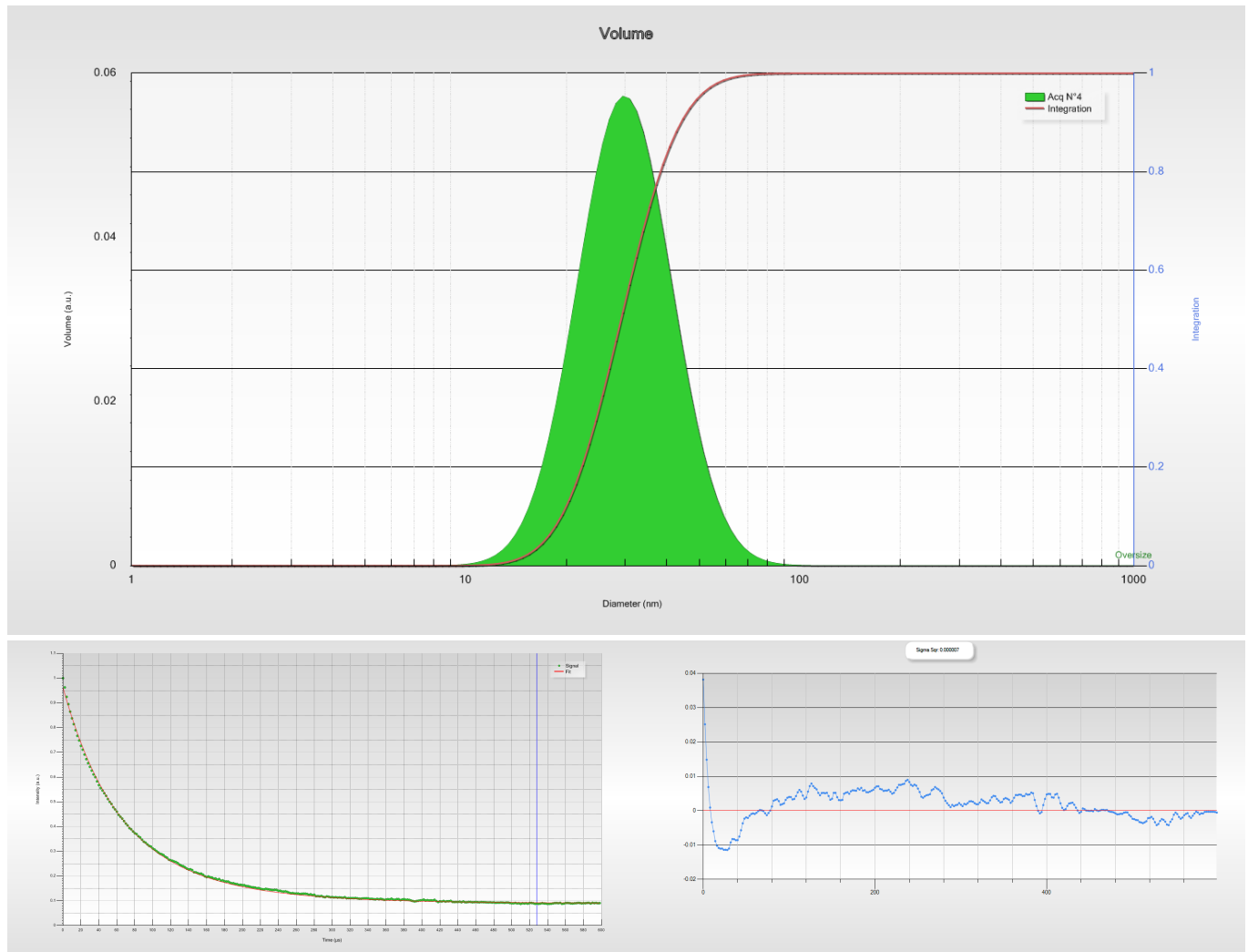
Dn 50%: 22.36 nm

Dn 90%: 32.36 nm

Std Dev: 32.82%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.59	0.87	7509.68	14.2071E-012



Distribution statistics

Dv 10%: 19.46 nm
Mean Volume: 31.44 nm
PDI : 0.43096

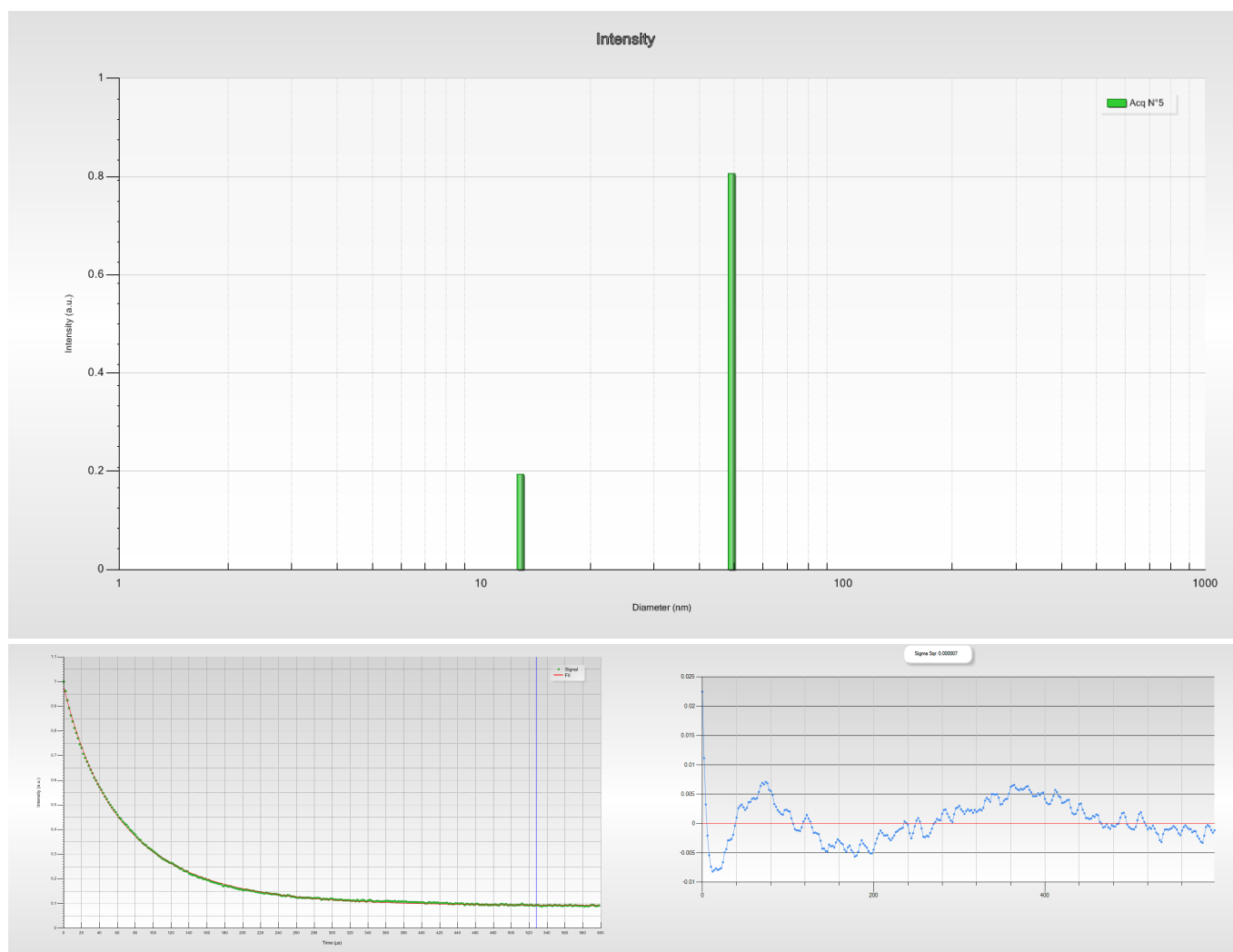
Dv 50%: 29.5 nm

Dv 90%: 44.73 nm

Std Dev: 32.82%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
34.59	0.87	7509.68	14.2071E-012



Dispersion statistics

Di 10%: 12.84 nm
Mean Intensity: 42.03 nm

Di 50%: 49.06 nm

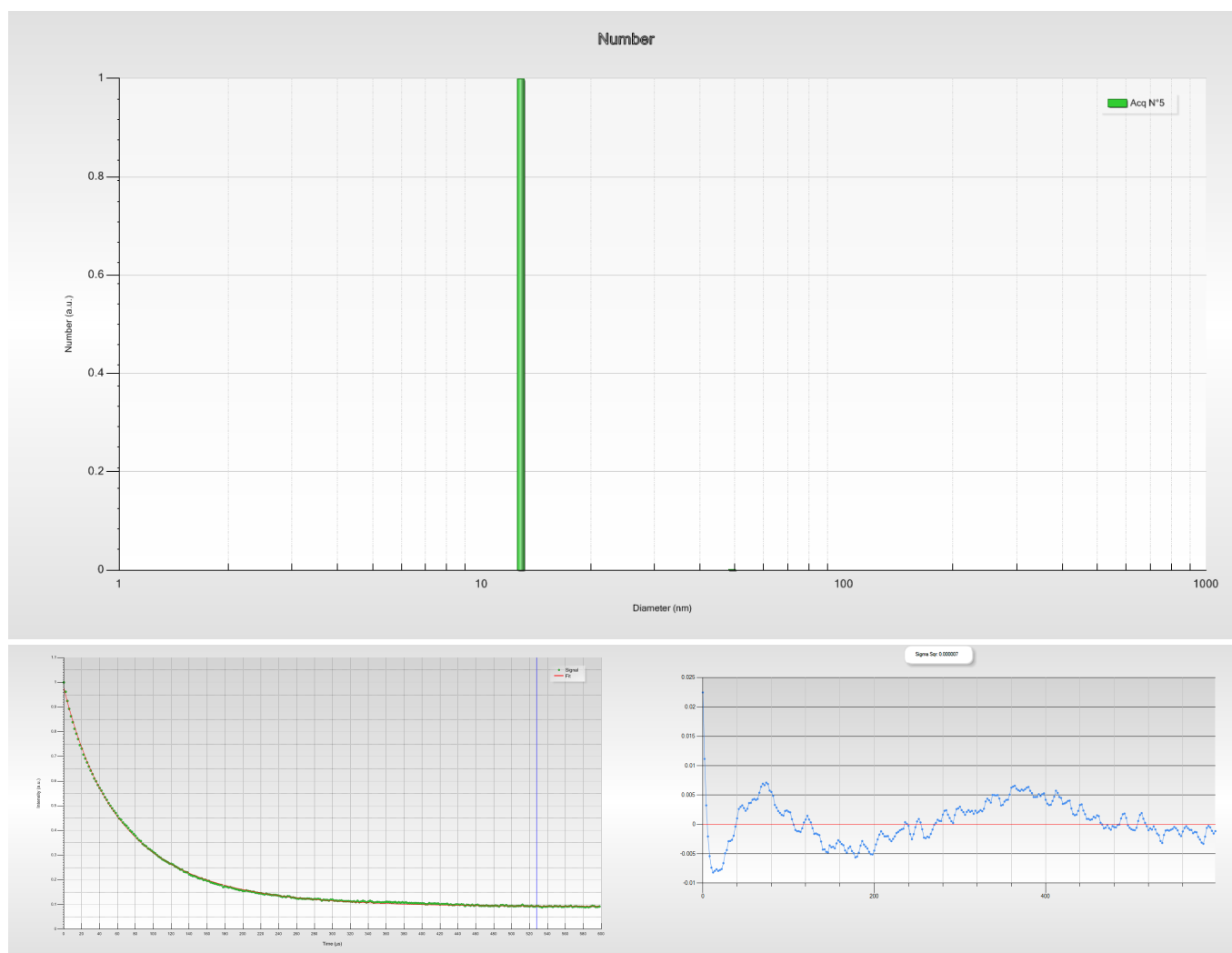
Di 90%: 49.06 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
12.67	0.18	20506.09	38.79419E-012
48.41	0.76	5366.65	10.15283E-012

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
12.84	0.19	49.06	0.81



Dispersion statistics

Dn 10%: 12.84 nm
Mean Number: 12.89 nm

Dn 50%: 12.84 nm

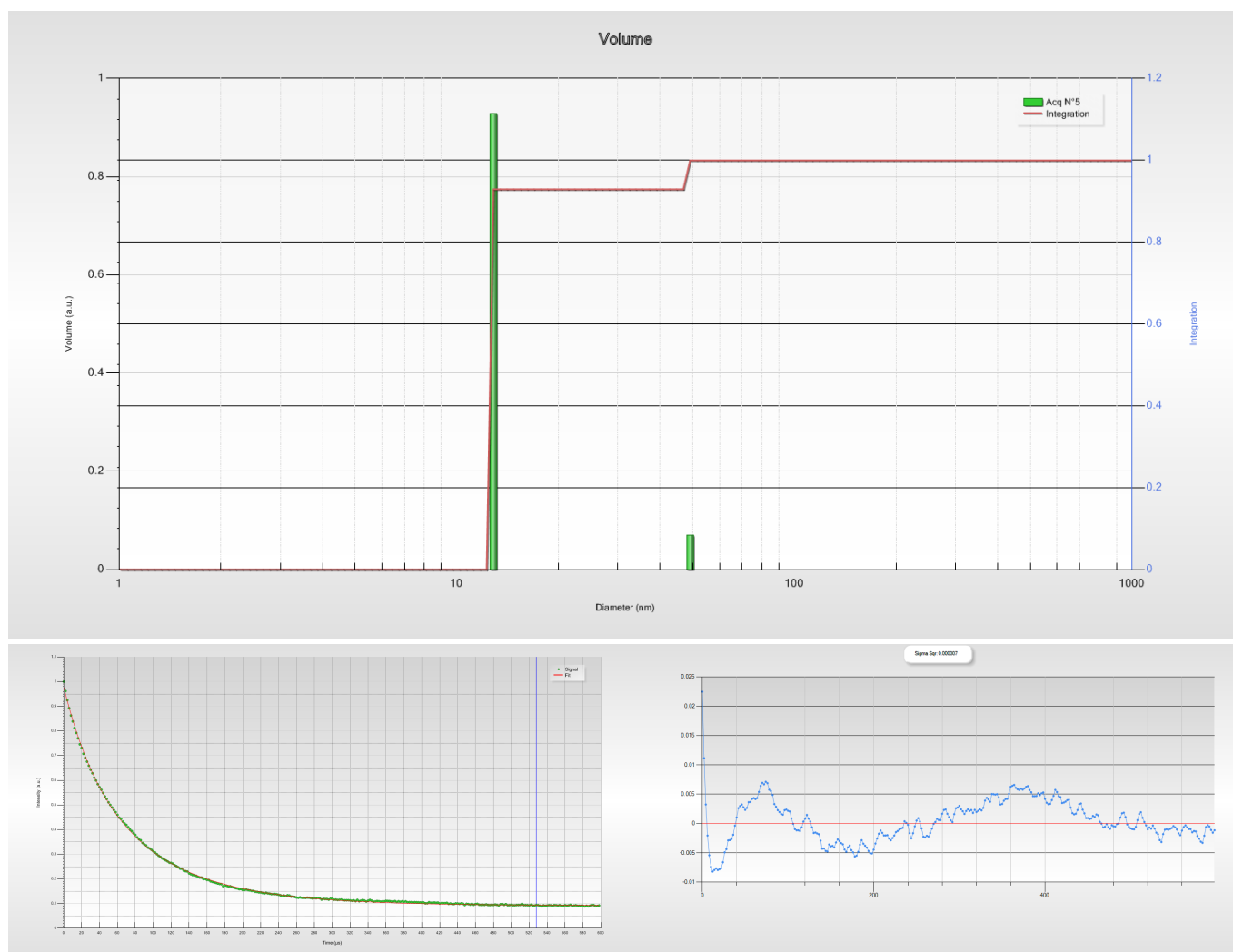
Dn 90%: 12.84 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
12.67	0.18	20506.09	38.79419E-012
48.41	0.76	5366.65	10.15283E-012

Dispersion datas

Size (nm)	Number
12.84	1



Dispersion statistics

Dv 10%: 12.84 nm
Mean Volume: 15.4 nm

Dv 50%: 12.84 nm

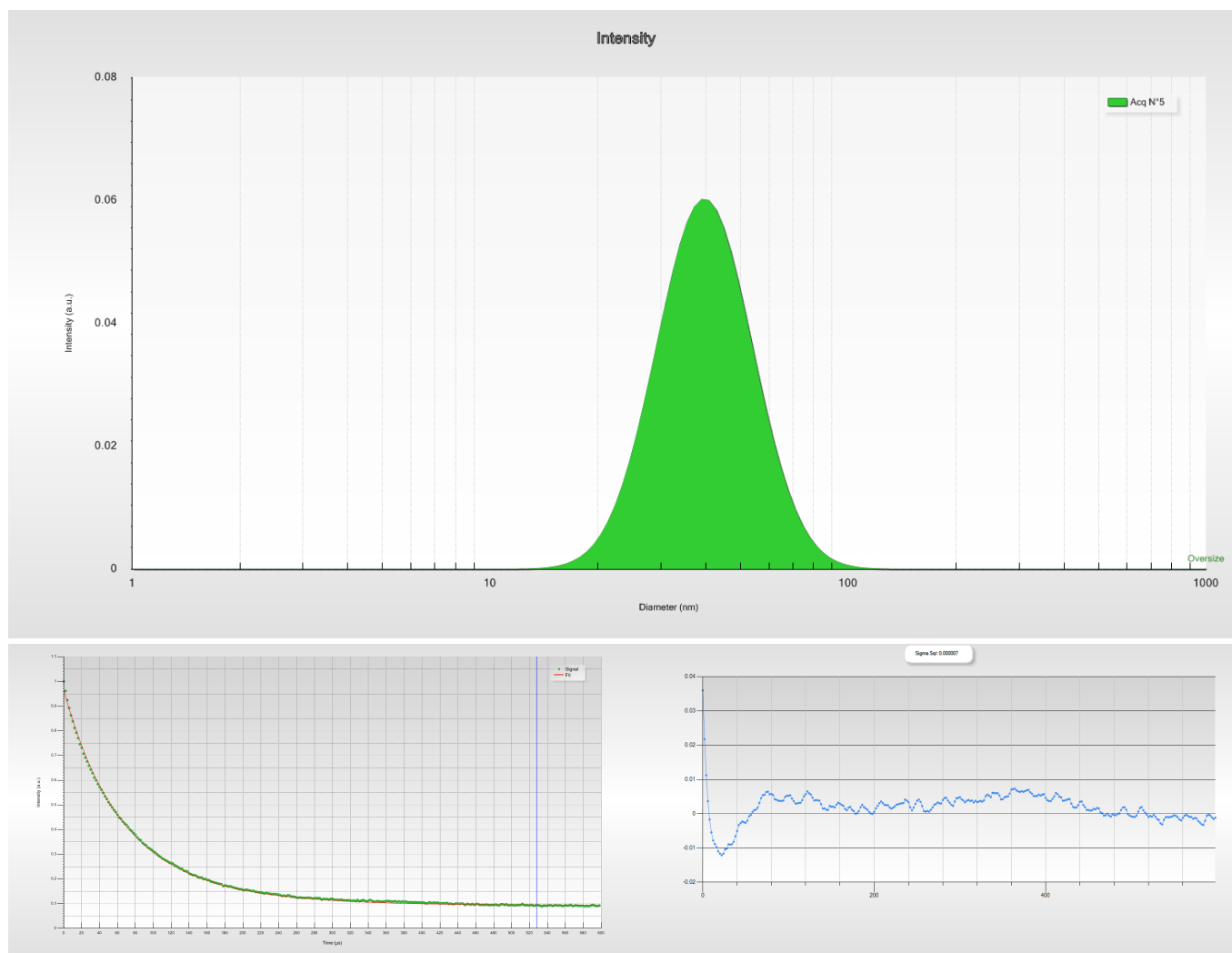
Dv 90%: 12.84 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
12.67	0.18	20506.09	38.79419E-012
48.41	0.76	5366.65	10.15283E-012

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
12.84	0.93	49.06	0.07

**Distribution statistics**

Di 10%: 26.9 nm
Mean Intensity: 41.51 nm
PDI : 0.39248

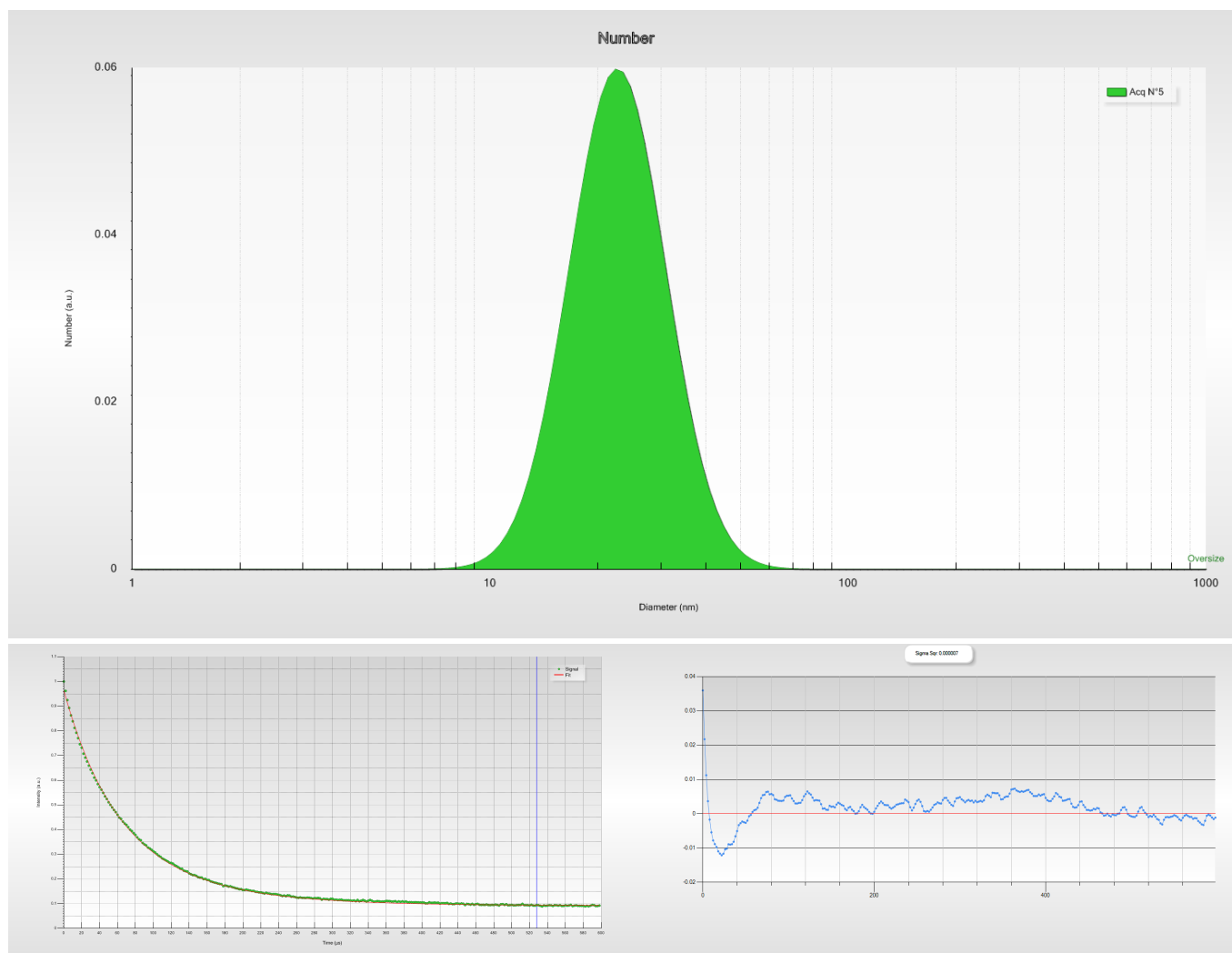
Di 50%: 38.94 nm

Di 90%: 59.03 nm

Std Dev: 31.32%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.42	0.87	7547.64	14.27891E-012

**Distribution statistics**

Dn 10%: 15.44 nm
Mean Number: 23.72 nm
PDI : 0.39248

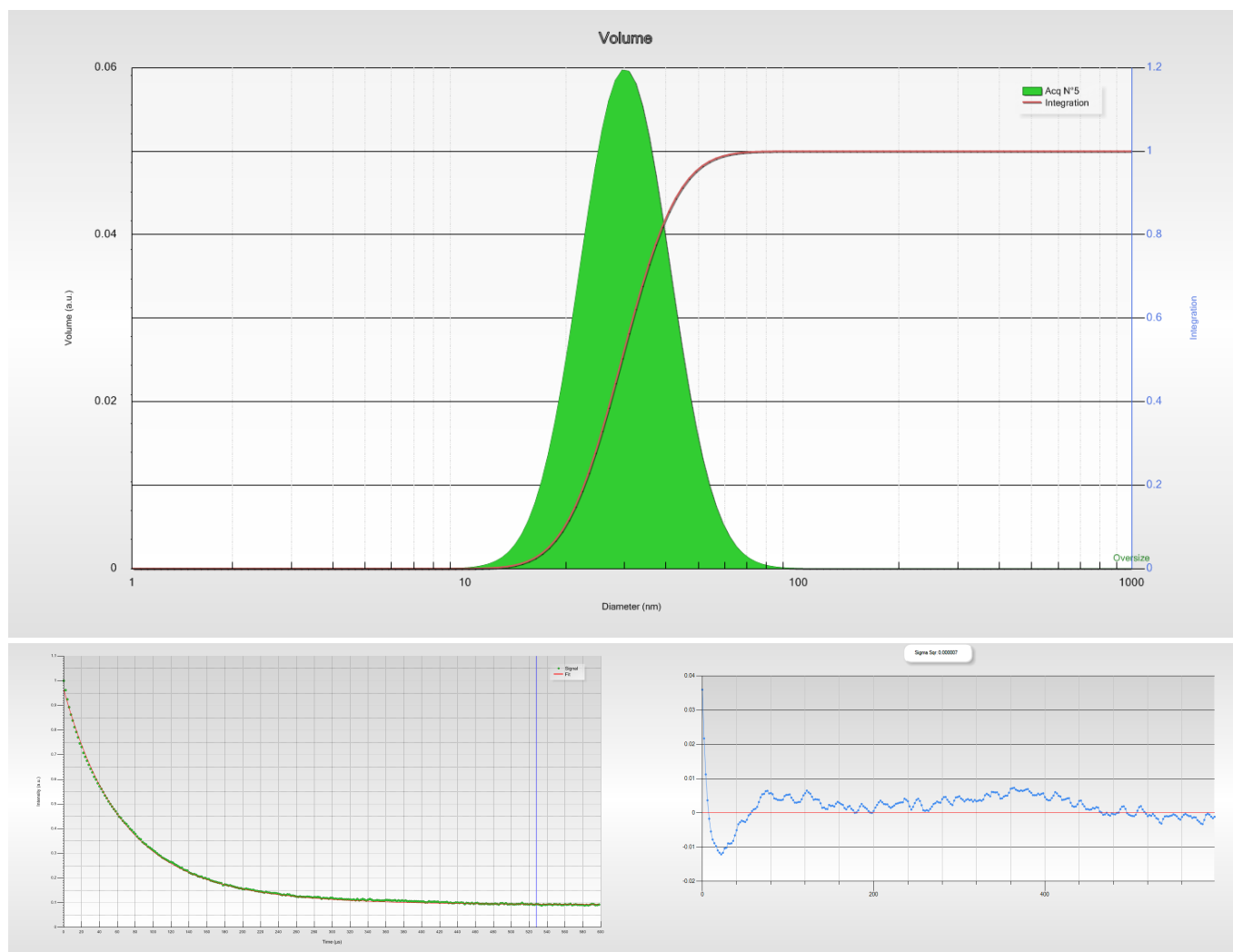
Dn 50%: 22.36 nm

Dn 90%: 33.89 nm

Std Dev: 31.32%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.42	0.87	7547.64	14.27891E-012



Distribution statistics

Dv 10%: 20.38 nm
Mean Volume: 31.55 nm
PDI : 0.39248

Dv 50%: 29.5 nm

Dv 90%: 44.73 nm

Std Dev: 31.32%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
34.42	0.87	7547.64	14.27891E-012