

Sample

Name : GNP_11.4.16_2.5_1k_2
Mesured On : 11.04.2016 18:40
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	: 68.1 %	Wavelength	: 657 nm
DTC Position	: UP		

Liquid Medium

Refractive index	: 1.331	Viscosity	: 0.888 cP
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Particles

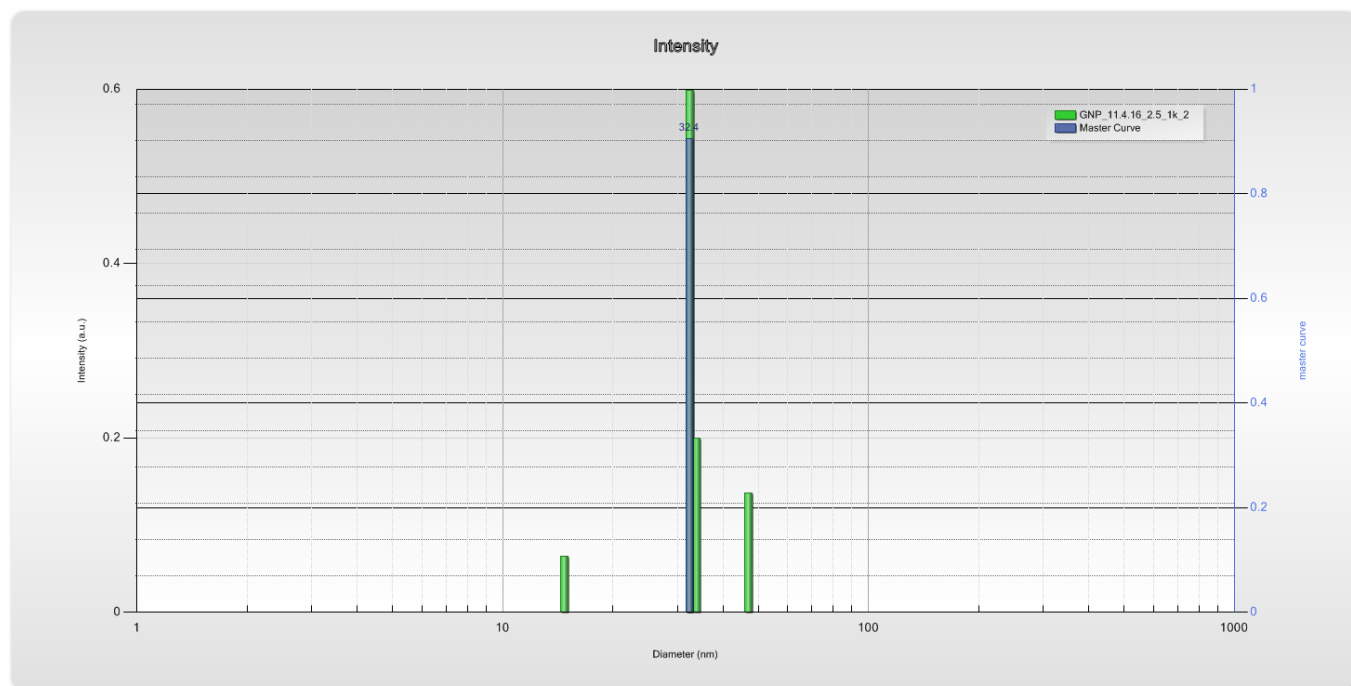
Real part	: 1.56	Imaginary part	: 0.01
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Algorithm

Pade Laplace	Cumulants
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Measurement

Average count rate : 2319 kcps **Duration** : 00:05:10
Number of rejected : 0 **Number of modified** : 0



Dispersion statistics

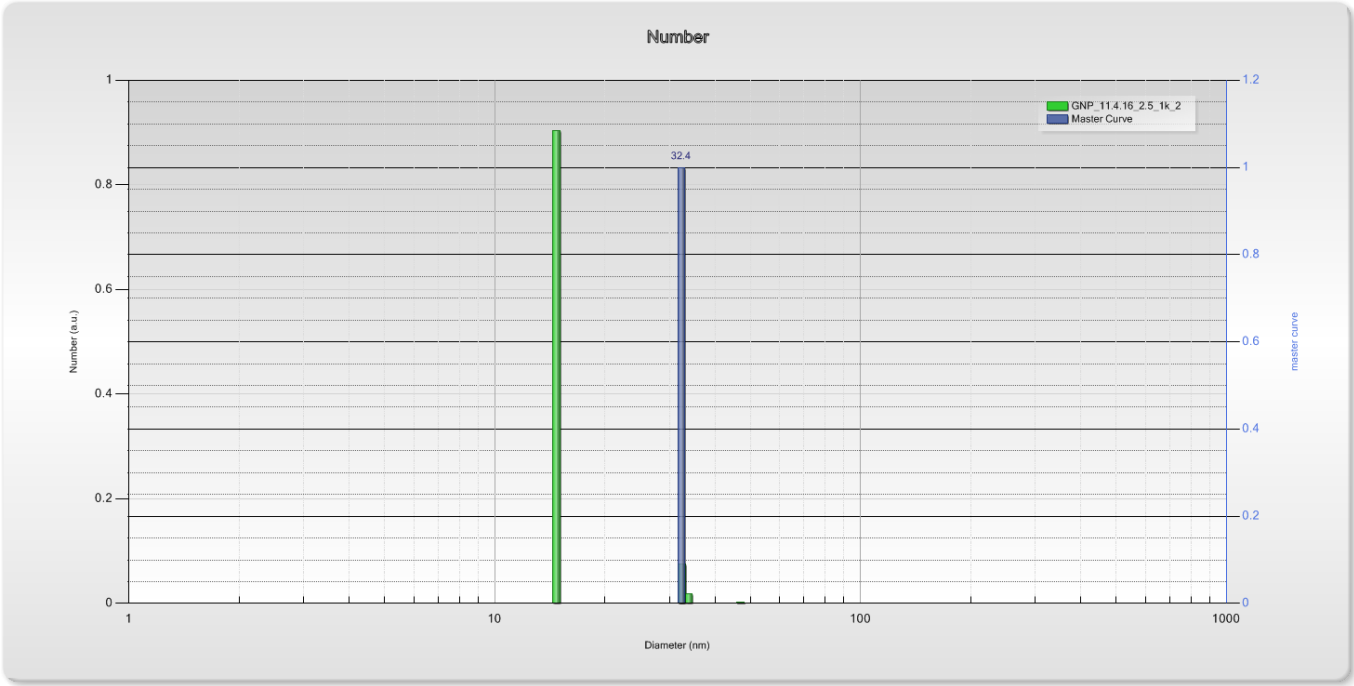
Di 10%: 32.36 nm

Di 50%: 32.36 nm

Di 90%: 46.85 nm

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity
14.75	0.06	33.89	0.2				
32.36	0.6	46.85	0.14				



Dispersion statistics

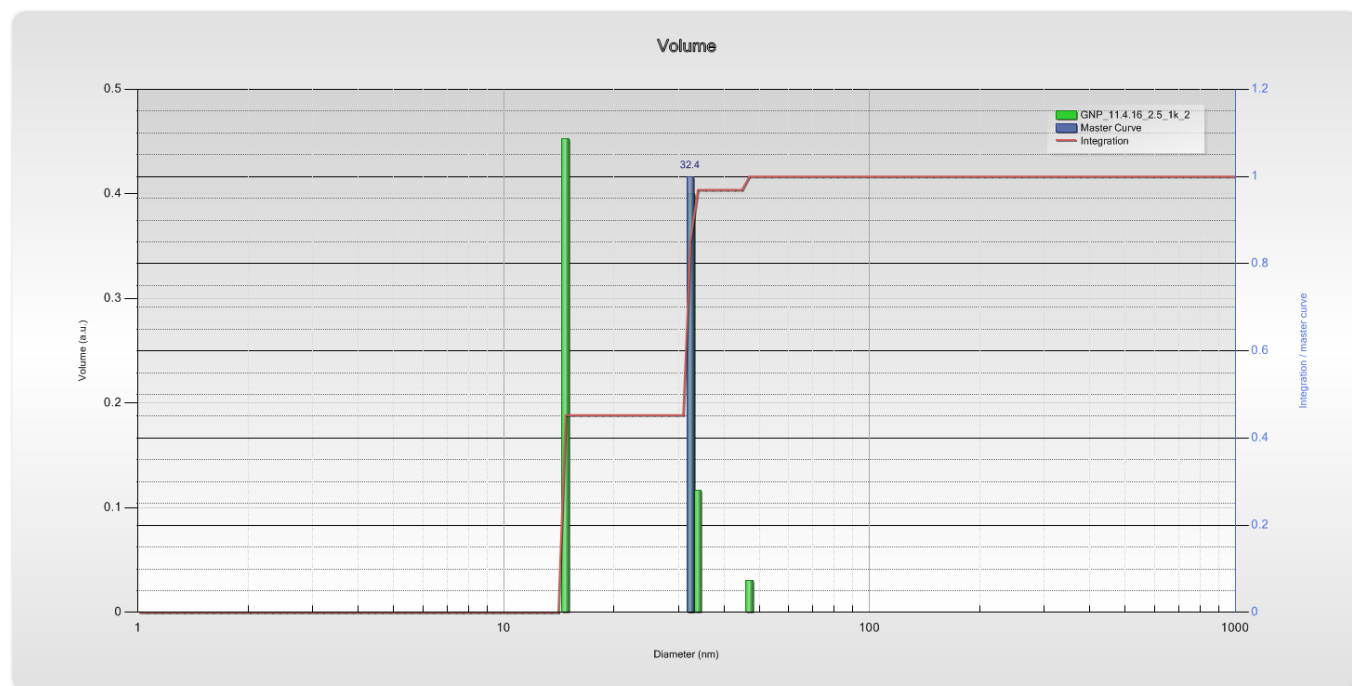
Dn 10%: 14.75 nm

Dn 50%: 14.75 nm

Dn 90%: 14.75 nm

Dispersion datas

Size (nm)	Number	Size (nm)	Number	Size (nm)	Number
14.75	0.9	32.36	0.08	33.89	0.02



Dispersion statistics

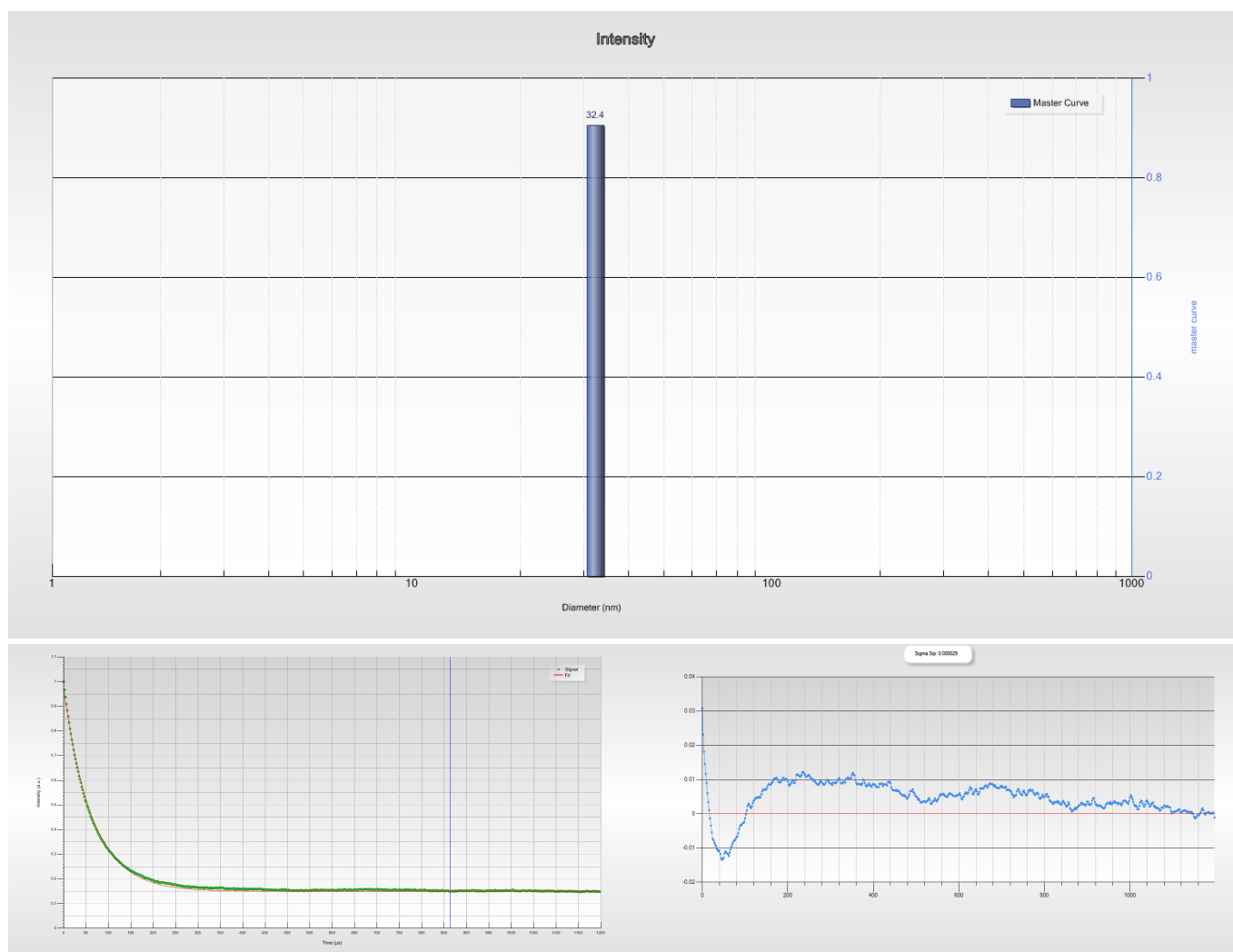
Dv 10%: 14.75 nm

Dv 50%: 32.36 nm

Dv 90%: 33.89 nm

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume
14.75	0.45	33.89	0.12				
32.36	0.4	46.85	0.03				



Dispersion statistics

Di 10%: 32.36 nm
Mean Intensity: 32.36 nm

Di 50%: 32.36 nm

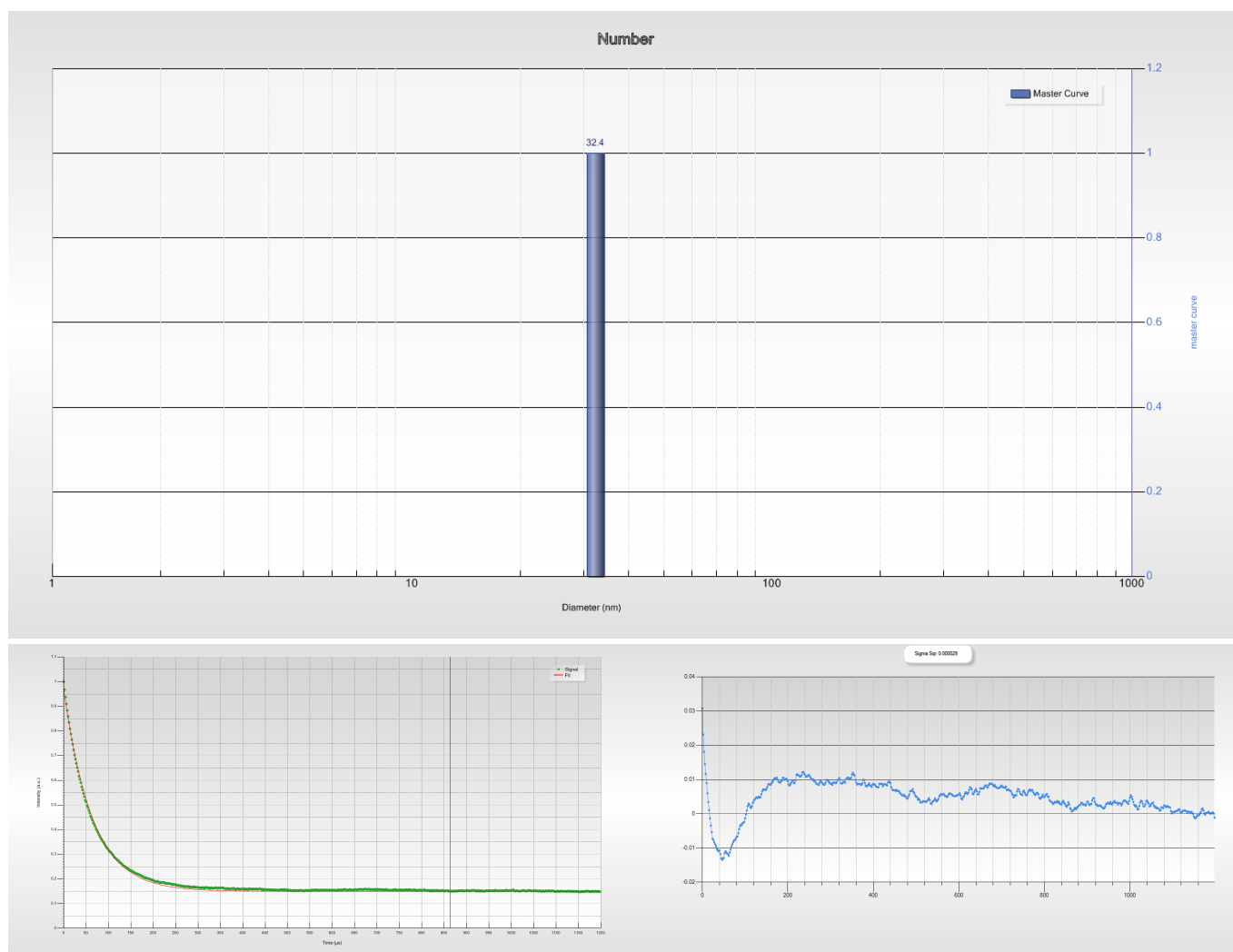
Di 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
32.99	0.91	7874.79	14.89782E-012

Dispersion datas

Size (nm)	Intensity
32.36	1



Dispersion statistics

Dn 10%: 32.36 nm
Mean Number: 32.36 nm

Dn 50%: 32.36 nm

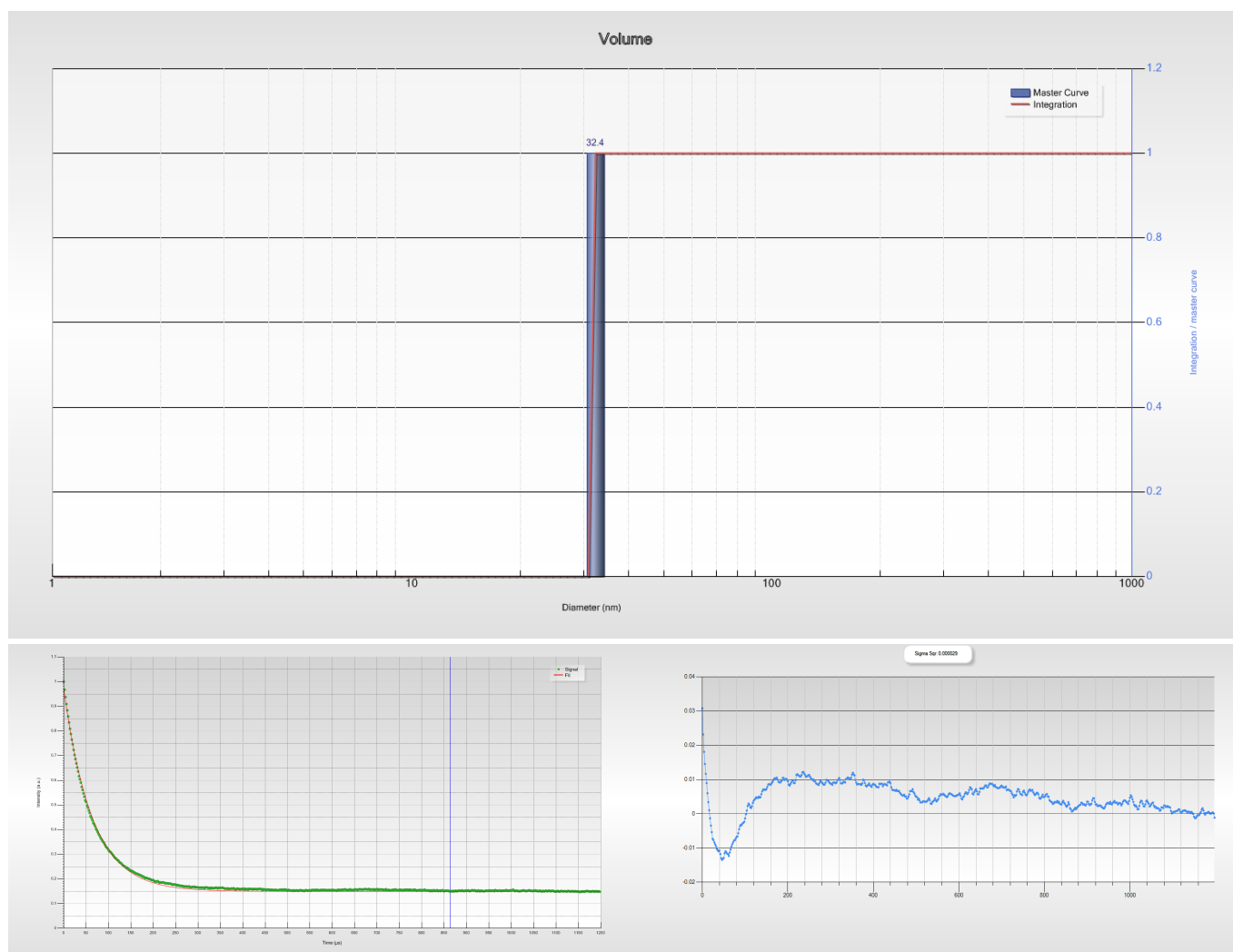
Dn 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
32.99	0.91	7874.79	14.89782E-012

Dispersion datas

Size (nm)	Number
32.36	1



Dispersion statistics

Dv 10%: 32.36 nm
Mean Volume: 32.36 nm

Dv 50%: 32.36 nm

Dv 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
32.99	0.91	7874.79	14.89782E-012

Dispersion datas

Size (nm)	Volume
32.36	1



Distribution statistics

Di 10%: 23.41 nm
Mean Intensity: 35.61 nm
PDI : 0.36466

Di 50%: 33.89 nm

Di 90%: 49.06 nm

Std Dev: 30.19%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
29.9	0.84	8687.92	16.43615E-012



Distribution statistics

Dn 10%: 14.08 nm
Mean Number: 21.13 nm
PDI : 0.36466

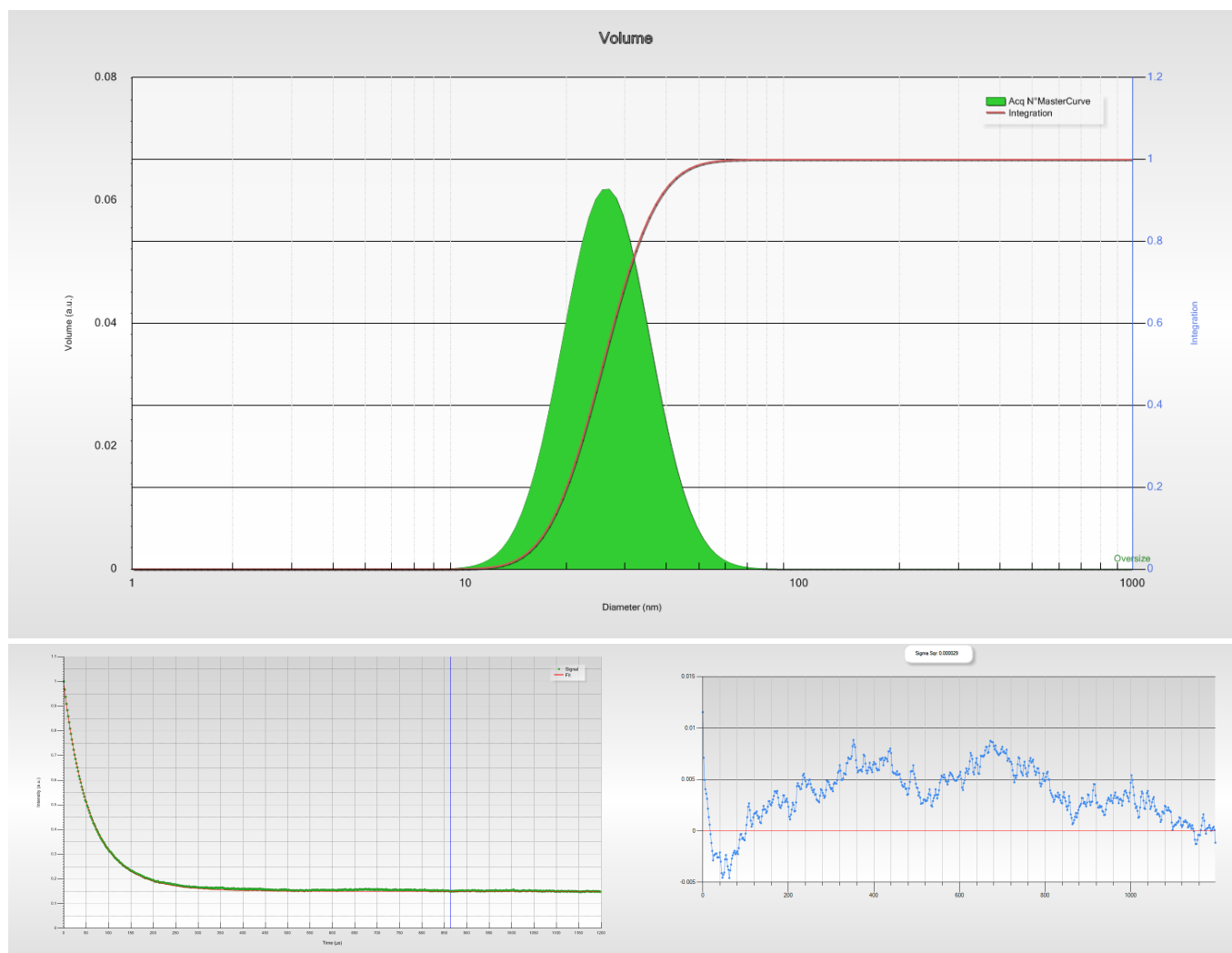
Dn 50%: 20.38 nm

Dn 90%: 29.5 nm

Std Dev: 30.19%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
29.9	0.84	8687.92	16.43615E-012



Distribution statistics

Dv 10%: 17.74 nm
Mean Volume: 27.56 nm
PDI : 0.36466

Dv 50%: 26.9 nm

Dv 90%: 38.94 nm

Std Dev: 30.19%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
29.9	0.84	8687.92	16.43615E-012



Dispersion statistics

Di 10%: 14.75 nm
Mean Intensity: 36.54 nm

Di 50%: 46.85 nm

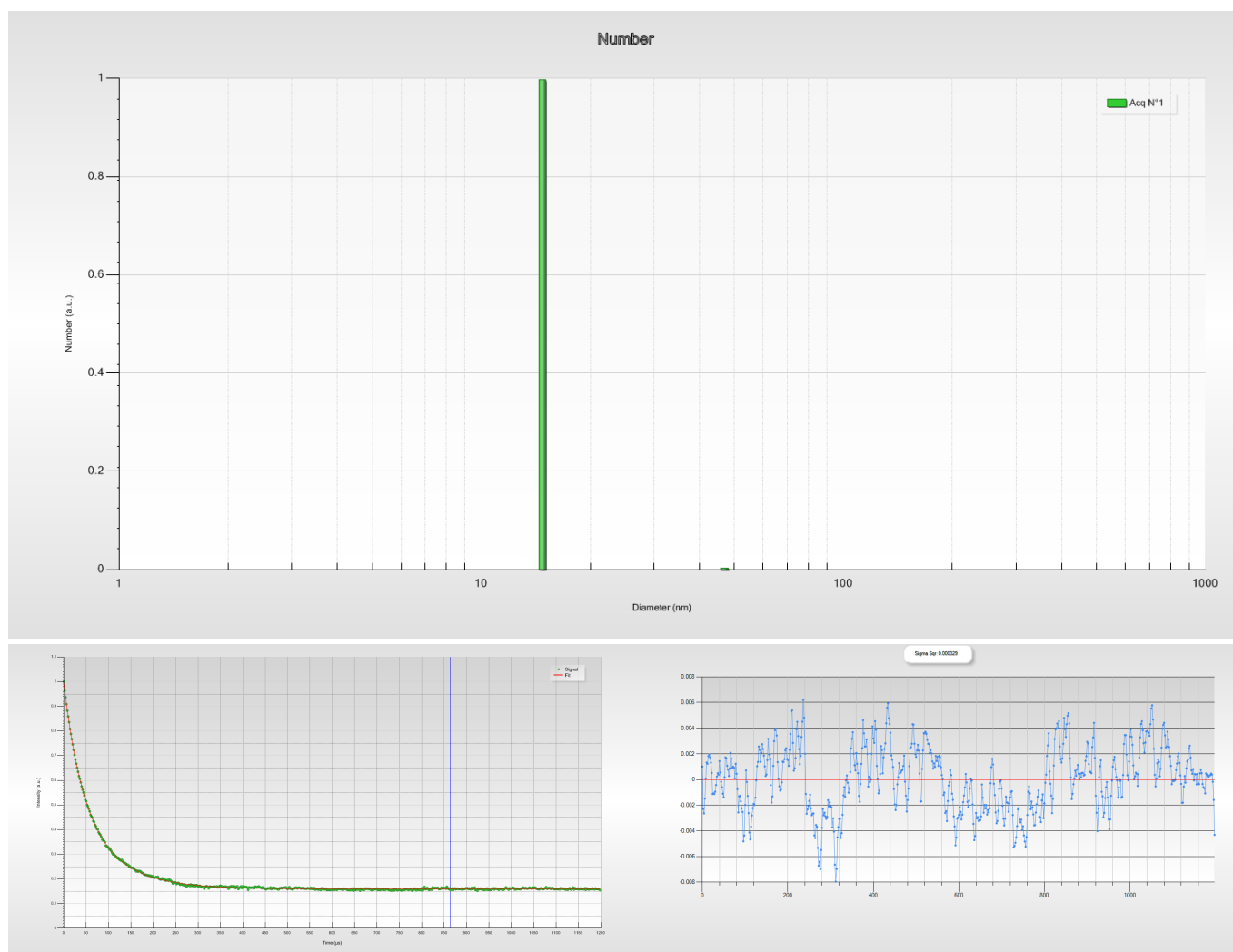
Di 90%: 46.85 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
14.75	0.29	17611.61	33.31831E-012
47.62	0.62	5455.36	10.32065E-012

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
14.75	0.32	46.85	0.68



Dispersion statistics

Dn 10%: 14.75 nm
Mean Number: 14.81 nm

Dn 50%: 14.75 nm

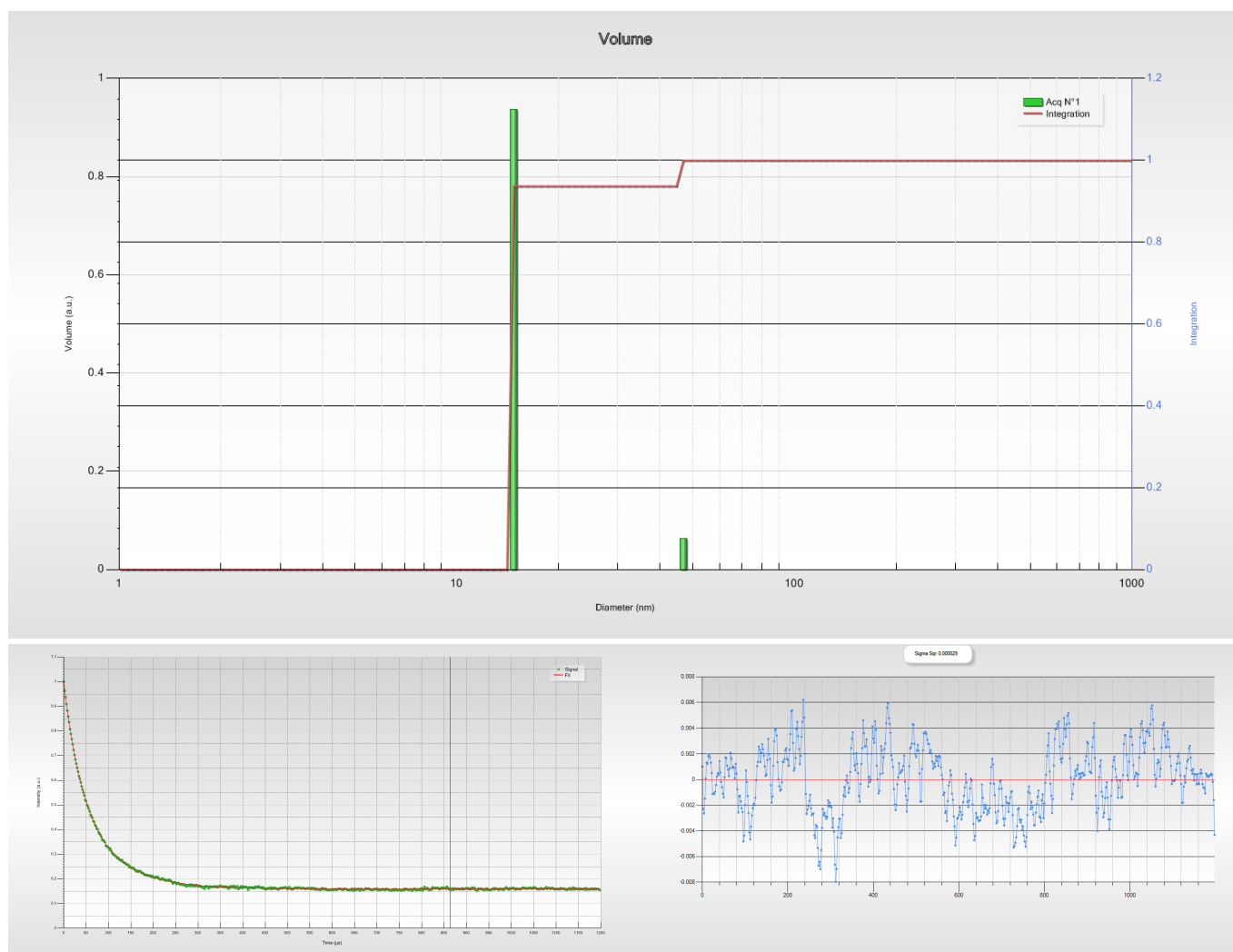
Dn 90%: 14.75 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
14.75	0.29	17611.61	33.31831E-012
47.62	0.62	5455.36	10.32065E-012

Dispersion datas

Size (nm)	Number
14.75	1



Dispersion statistics

Dv 10%: 14.75 nm
Mean Volume: 16.77 nm

Dv 50%: 14.75 nm

Dv 90%: 14.75 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
14.75	0.29	17611.61	33.31831E-012
47.62	0.62	5455.36	10.32065E-012

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
14.75	0.94	46.85	0.06

**Distribution statistics**

Di 10%: 23.41 nm
Mean Intensity: 35.88 nm
PDI : 0.41062

Di 50%: 33.89 nm

Di 90%: 51.39 nm

Std Dev: 32.04%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
29.5	0.83	8805.24	16.65808E-012

**Distribution statistics**

Dn 10%: 12.84 nm
Mean Number: 19.99 nm
PDI : 0.41062

Dn 50%: 19.46 nm

Dn 90%: 28.17 nm

Std Dev: 32.04%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
29.5	0.83	8805.24	16.65808E-012



Distribution statistics

Dv 10%: 16.94 nm
Mean Volume: 26.91 nm
PDI : 0.41062

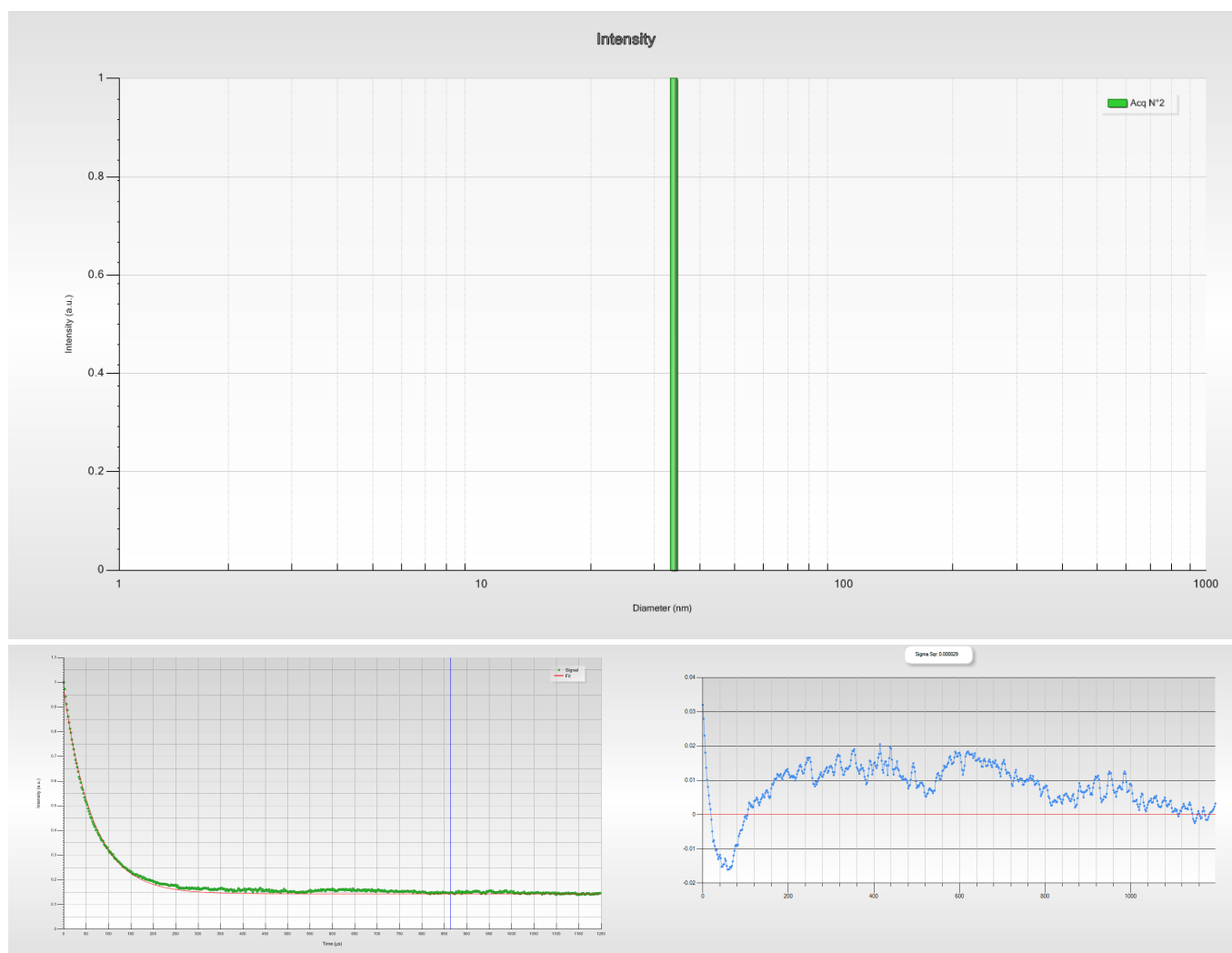
Dv 50%: 25.68 nm

Dv 90%: 38.94 nm

Std Dev: 32.04%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
29.5	0.83	8805.24	16.65808E-012



Dispersion statistics

Di 10%: 33.89 nm
Mean Intensity: 33.89 nm

Di 50%: 33.89 nm

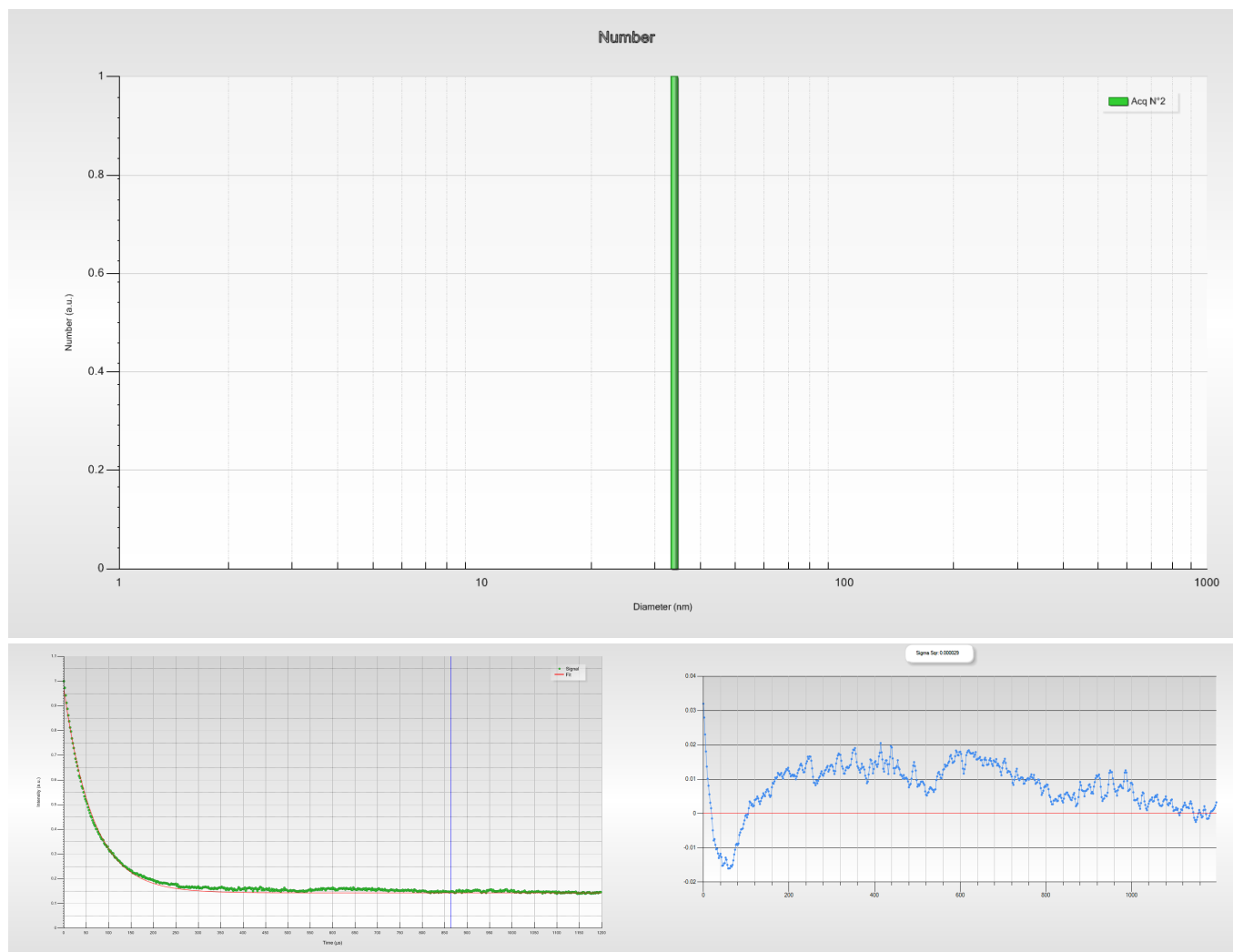
Di 90%: 33.89 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
33.9	0.91	7662.24	14.49573E-012

Dispersion datas

Size (nm)	Intensity
33.89	1



Dispersion statistics

Dn 10%: 33.89 nm
Mean Number: 33.89 nm

Dn 50%: 33.89 nm

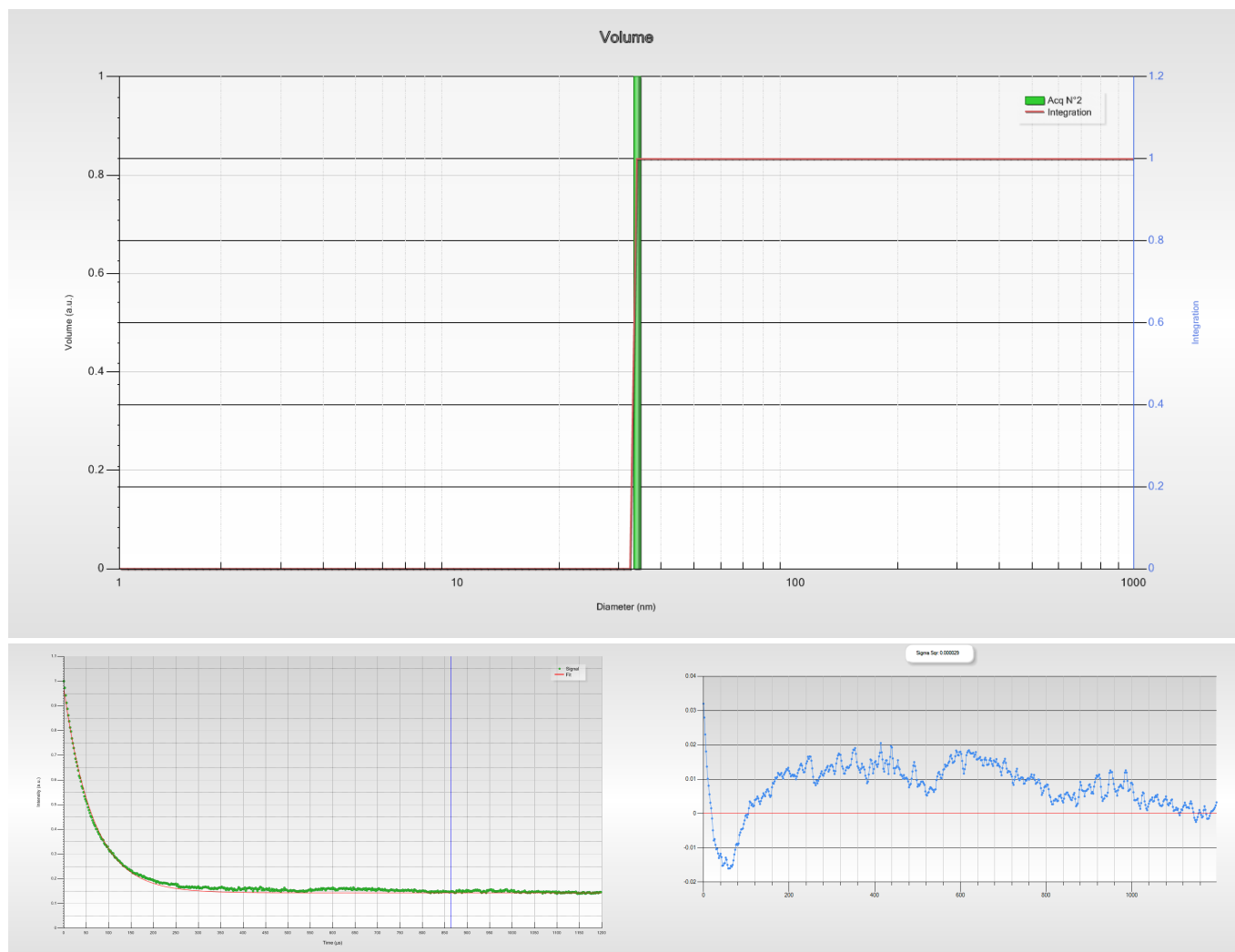
Dn 90%: 33.89 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
33.9	0.91	7662.24	14.49573E-012

Dispersion datas

Size (nm)	Number
33.89	1



Dispersion statistics

Dv 10%: 33.89 nm
Mean Volume: 33.89 nm

Dv 50%: 33.89 nm

Dv 90%: 33.89 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
33.9	0.91	7662.24	14.49573E-012

Dispersion datas

Size (nm)	Volume
33.89	1



Distribution statistics

Di 10%: 24.52 nm
Mean Intensity: 37.82 nm
PDI : 0.40484

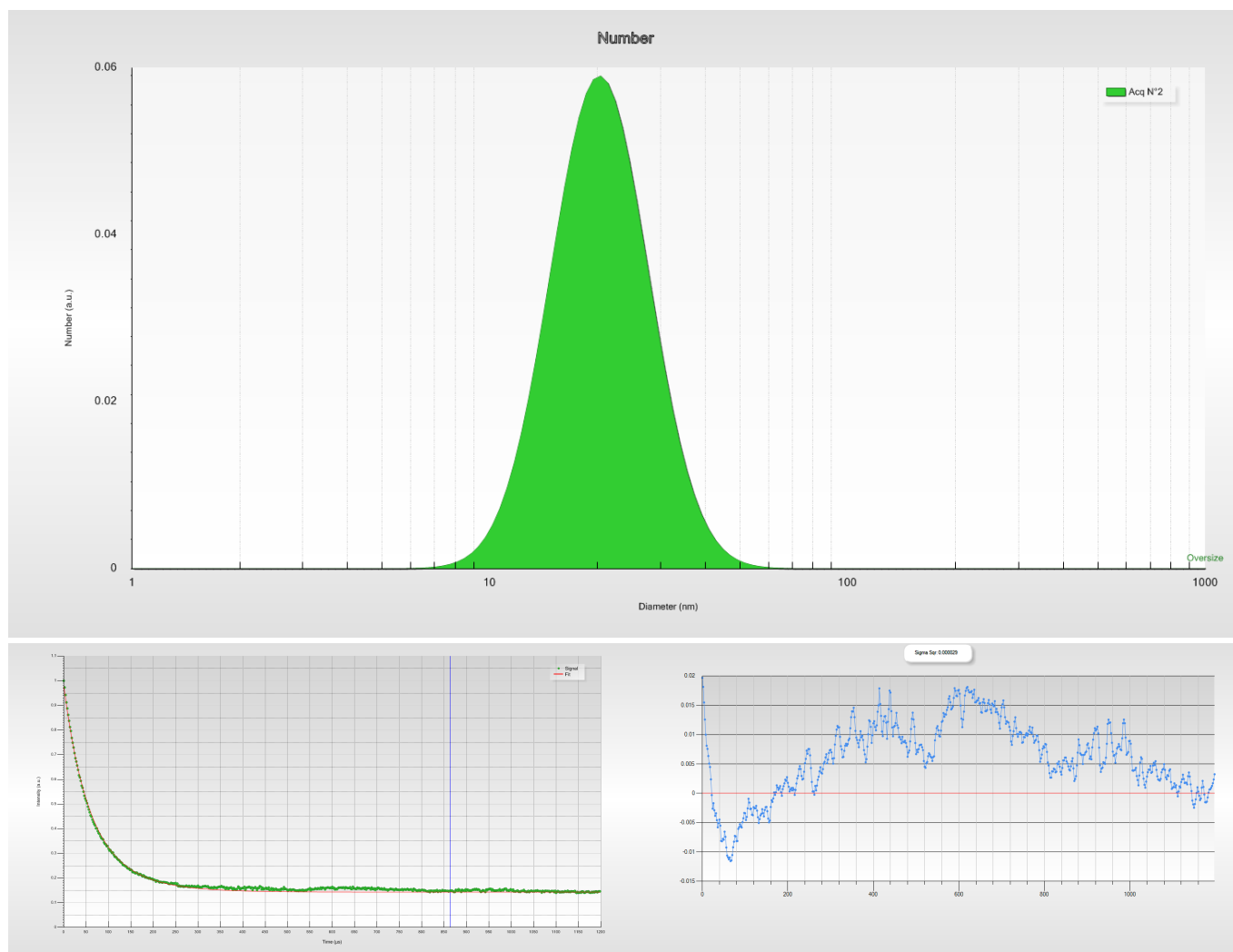
Di 50%: 35.5 nm

Di 90%: 53.82 nm

Std Dev: 31.81%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
31.18	0.84	8331.74	15.7623E-012



Distribution statistics

Dn 10%: 13.44 nm
Mean Number: 21.24 nm
PDI : 0.40484

Dn 50%: 20.38 nm

Dn 90%: 29.5 nm

Std Dev: 31.81%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
31.18	0.84	8331.74	15.7623E-012



Distribution statistics

Dv 10%: 18.58 nm
Mean Volume: 28.49 nm
PDI : 0.40484

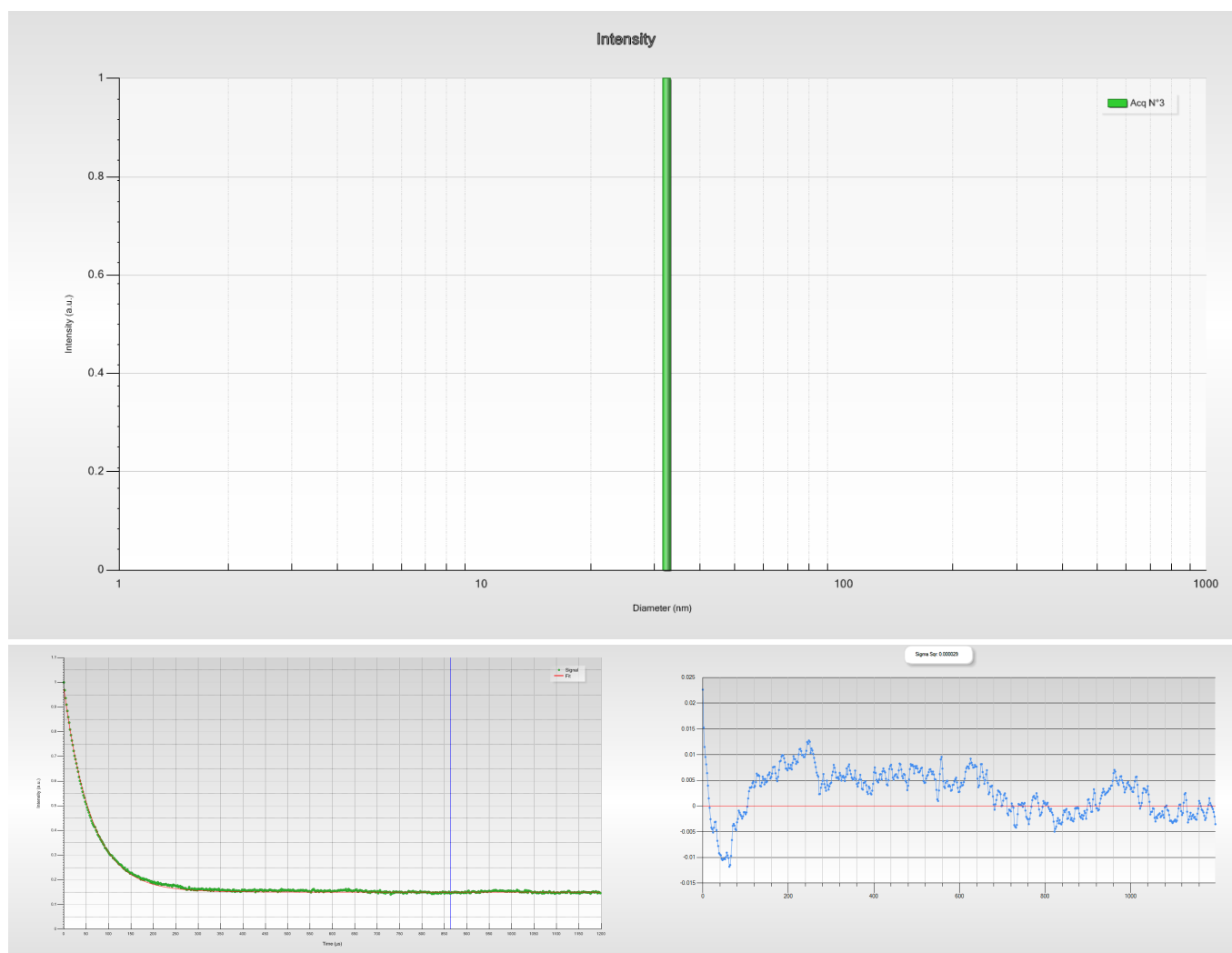
Dv 50%: 26.9 nm

Dv 90%: 40.78 nm

Std Dev: 31.81%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
31.18	0.84	8331.74	15.7623E-012



Dispersion statistics

Di 10%: 32.36 nm
Mean Intensity: 32.36 nm

Di 50%: 32.36 nm

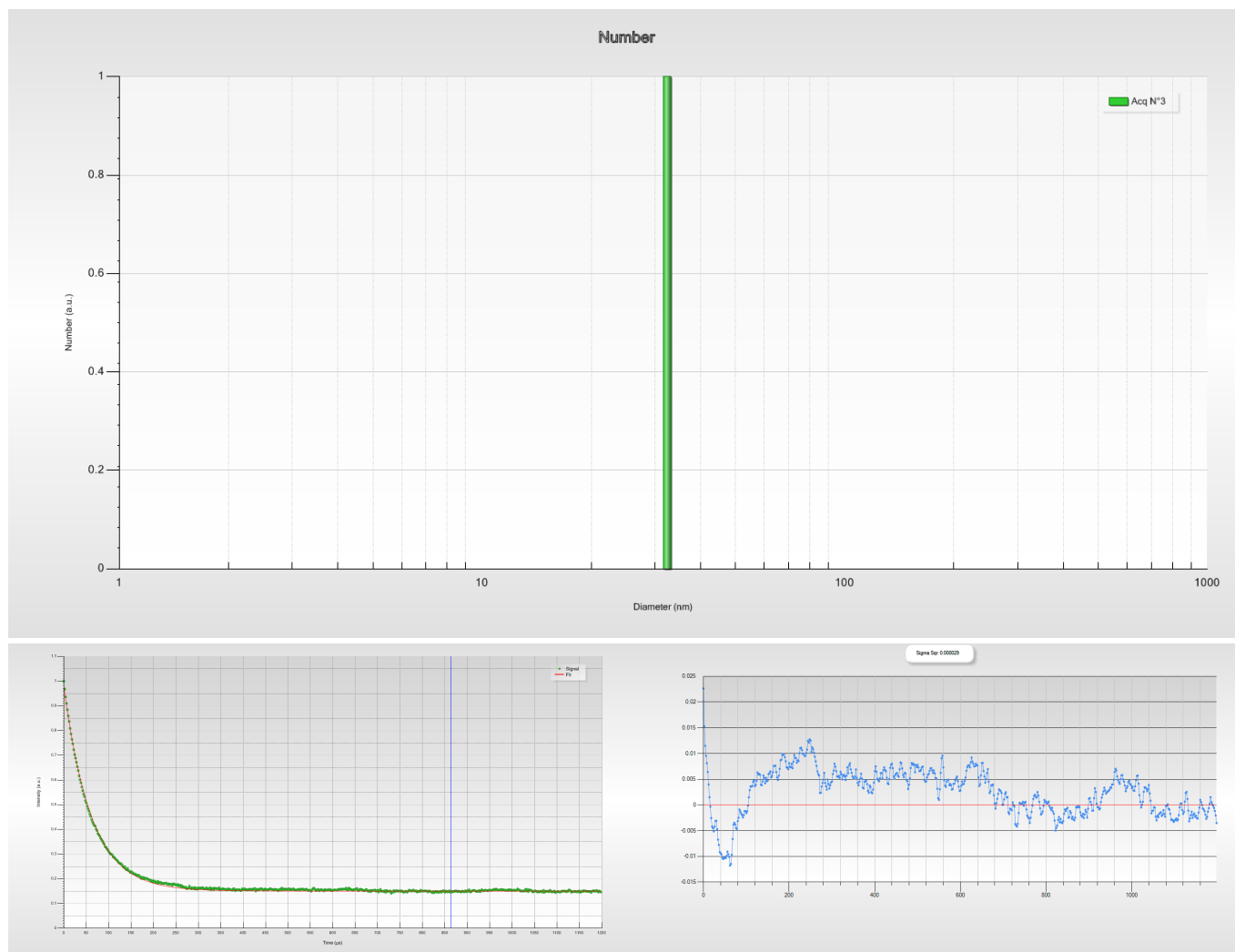
Di 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
31.84	0.91	8158.67	15.43488E-012

Dispersion datas

Size (nm)	Intensity
32.36	1



Dispersion statistics

Dn 10%: 32.36 nm
Mean Number: 32.36 nm

Dn 50%: 32.36 nm

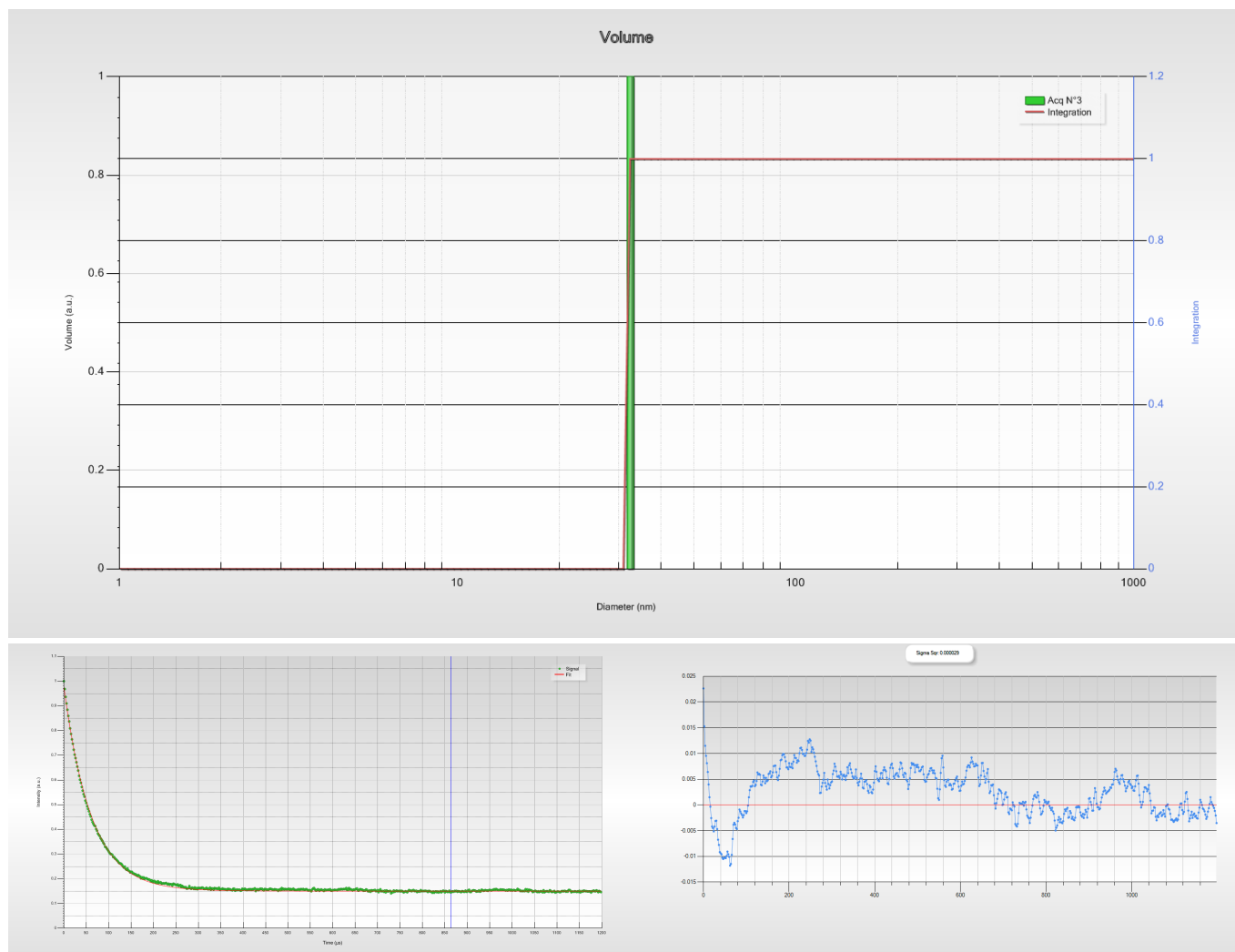
Dn 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
31.84	0.91	8158.67	15.43488E-012

Dispersion datas

Size (nm)	Number
32.36	1



Dispersion statistics

Dv 10%: 32.36 nm
Mean Volume: 32.36 nm

Dv 50%: 32.36 nm

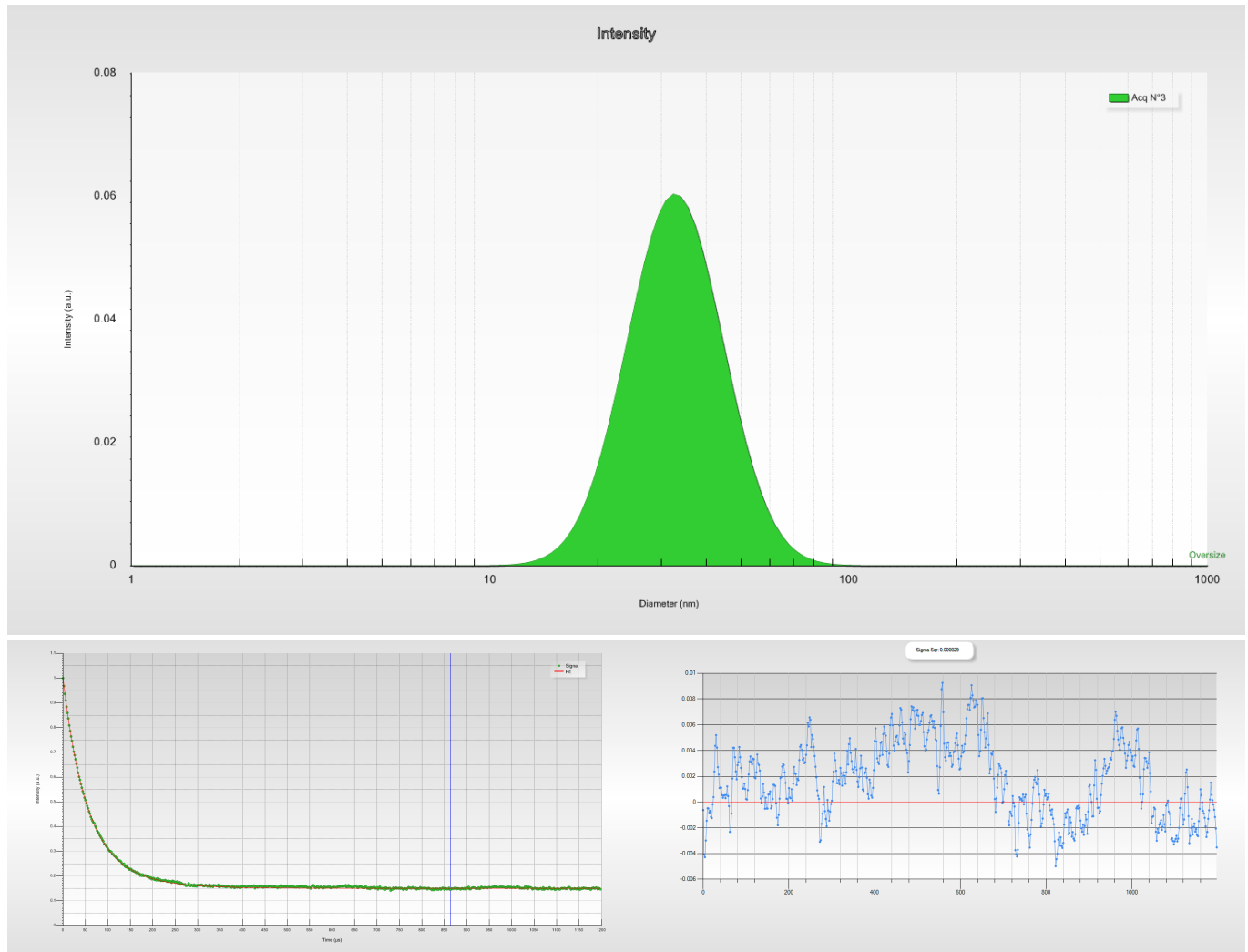
Dv 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
31.84	0.91	8158.67	15.43488E-012

Dispersion datas

Size (nm)	Volume
32.36	1

**Distribution statistics**

Di 10%: 22.36 nm
Mean Intensity: 34.26 nm
PDI : 0.39099

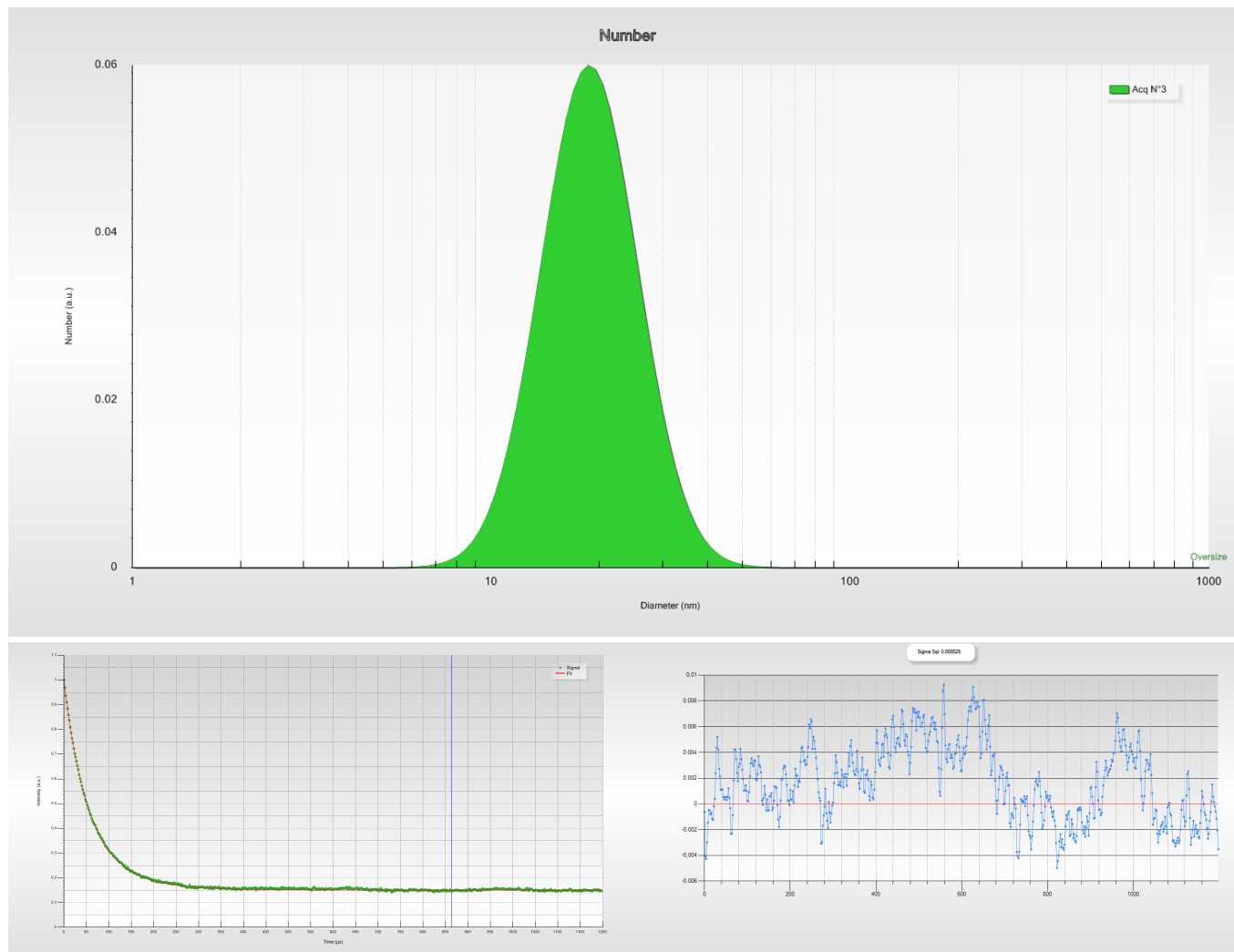
Di 50%: 32.36 nm

Di 90%: 49.06 nm

Std Dev: 31.26%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
28.43	0.85	9138.85	17.28922E-012

**Distribution statistics**

Dn 10%: 12.84 nm
Mean Number: 19.61 nm
PDI : 0.39099

Dn 50%: 18.58 nm

Dn 90%: 28.17 nm

Std Dev: 31.26%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
28.43	0.85	9138.85	17.28922E-012

**Distribution statistics**

Dv 10%: 16.94 nm
Mean Volume: 26.04 nm
PDI : 0.39099

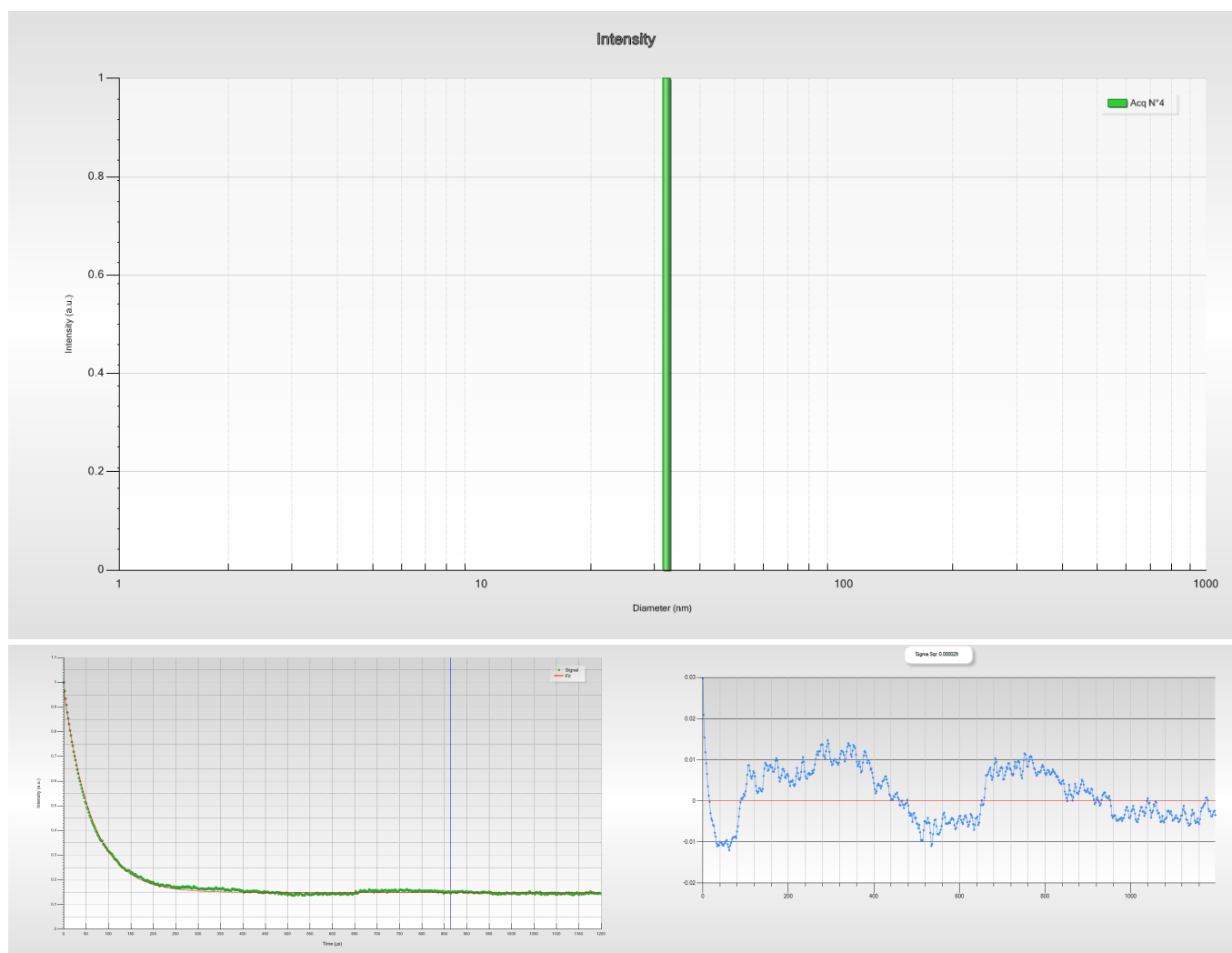
Dv 50%: 24.52 nm

Dv 90%: 37.18 nm

Std Dev: 31.26%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
28.43	0.85	9138.85	17.28922E-012



Dispersion statistics

Di 10%: 32.36 nm
Mean Intensity: 32.36 nm

Di 50%: 32.36 nm

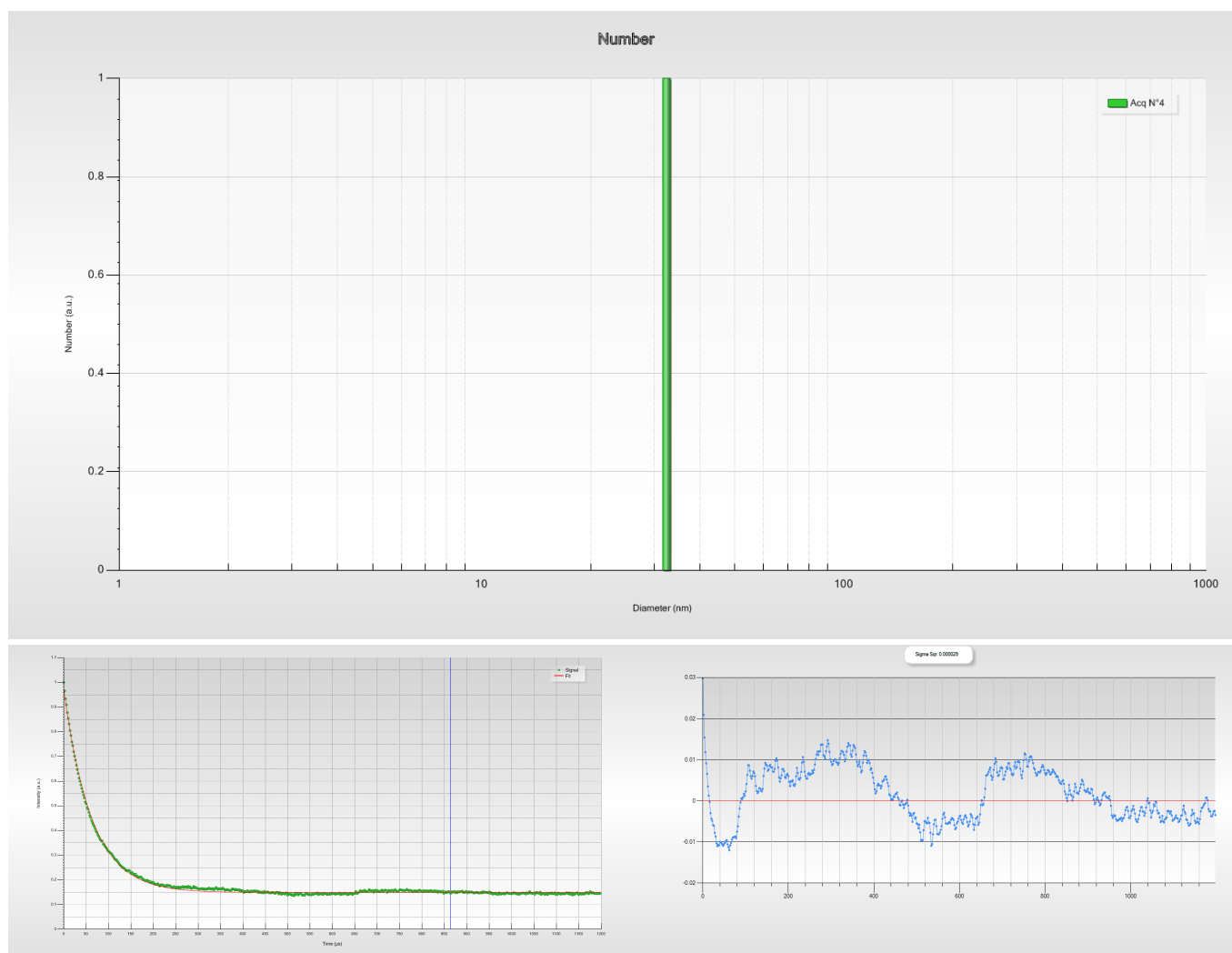
Di 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
32.41	0.91	8016.18	15.16531E-012

Dispersion datas

Size (nm)	Intensity
32.36	1



Dispersion statistics

Dn 10%: 32.36 nm
Mean Number: 32.36 nm

Dn 50%: 32.36 nm

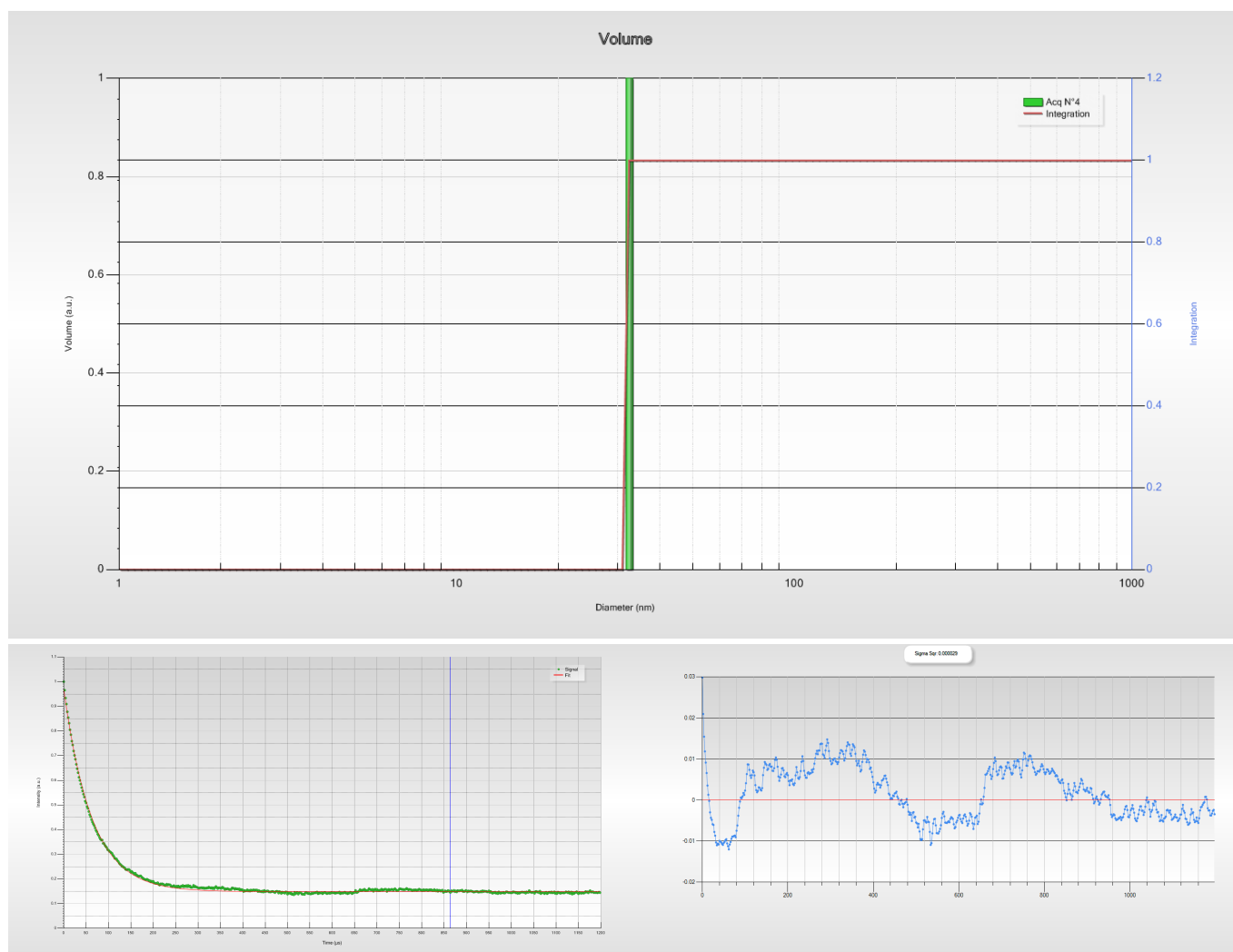
Dn 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
32.41	0.91	8016.18	15.16531E-012

Dispersion datas

Size (nm)	Number
32.36	1



Dispersion statistics

Dv 10%: 32.36 nm
Mean Volume: 32.36 nm

Dv 50%: 32.36 nm

Dv 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
32.41	0.91	8016.18	15.16531E-012

Dispersion datas

Size (nm)	Volume
32.36	1

**Distribution statistics**

Di 10%: 22.36 nm
Mean Intensity: 34.94 nm
PDI : 0.40494

Di 50%: 33.89 nm

Di 90%: 49.06 nm

Std Dev: 31.82%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
28.81	0.85	9017.52	17.05968E-012



Distribution statistics

Dn 10%: 12.26 nm
Mean Number: 19.62 nm
PDI : 0.40494

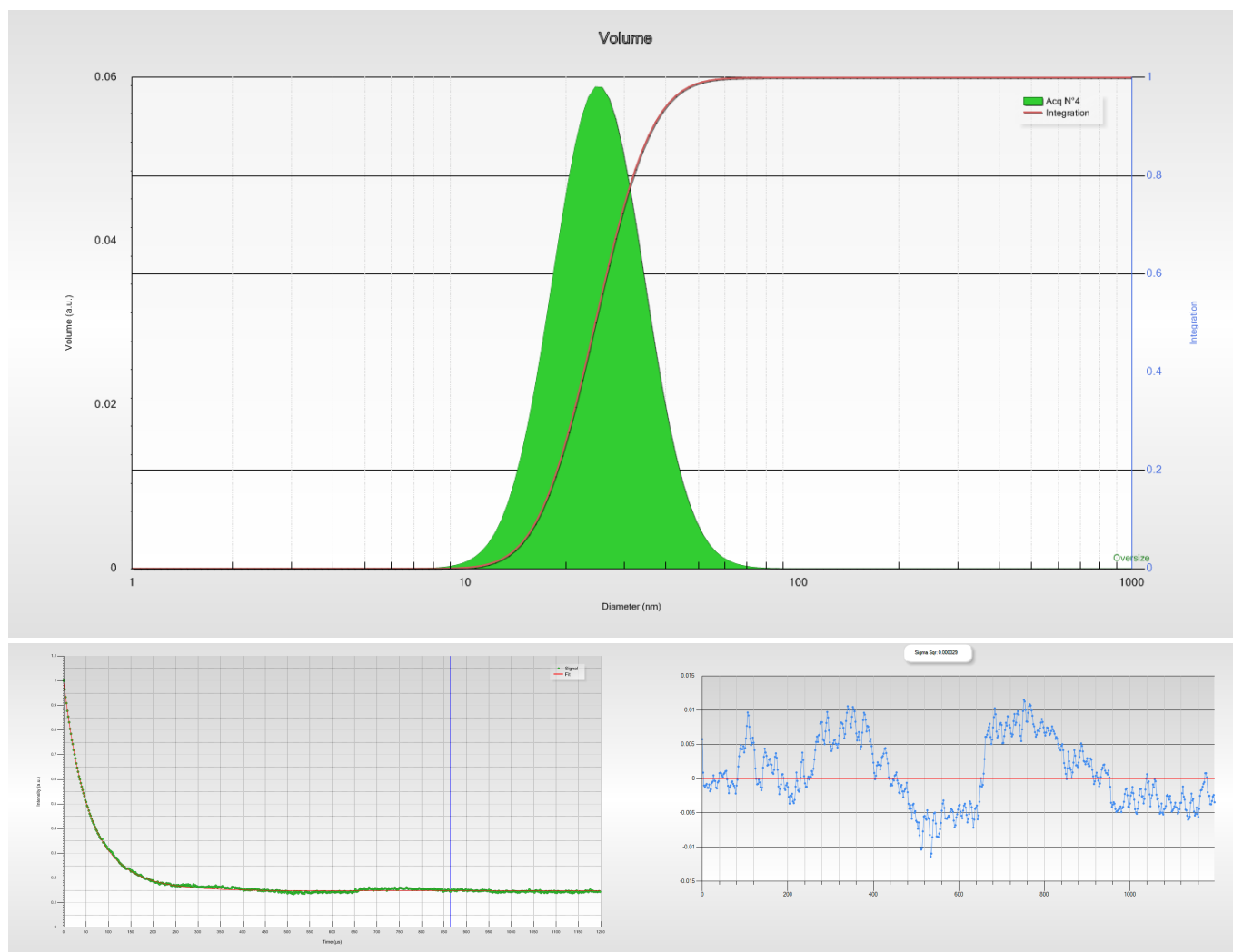
Dn 50%: 18.58 nm

Dn 90%: 28.17 nm

Std Dev: 31.82%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
28.81	0.85	9017.52	17.05968E-012

**Distribution statistics**

Dv 10%: 16.94 nm
Mean Volume: 26.31 nm
PDI : 0.40494

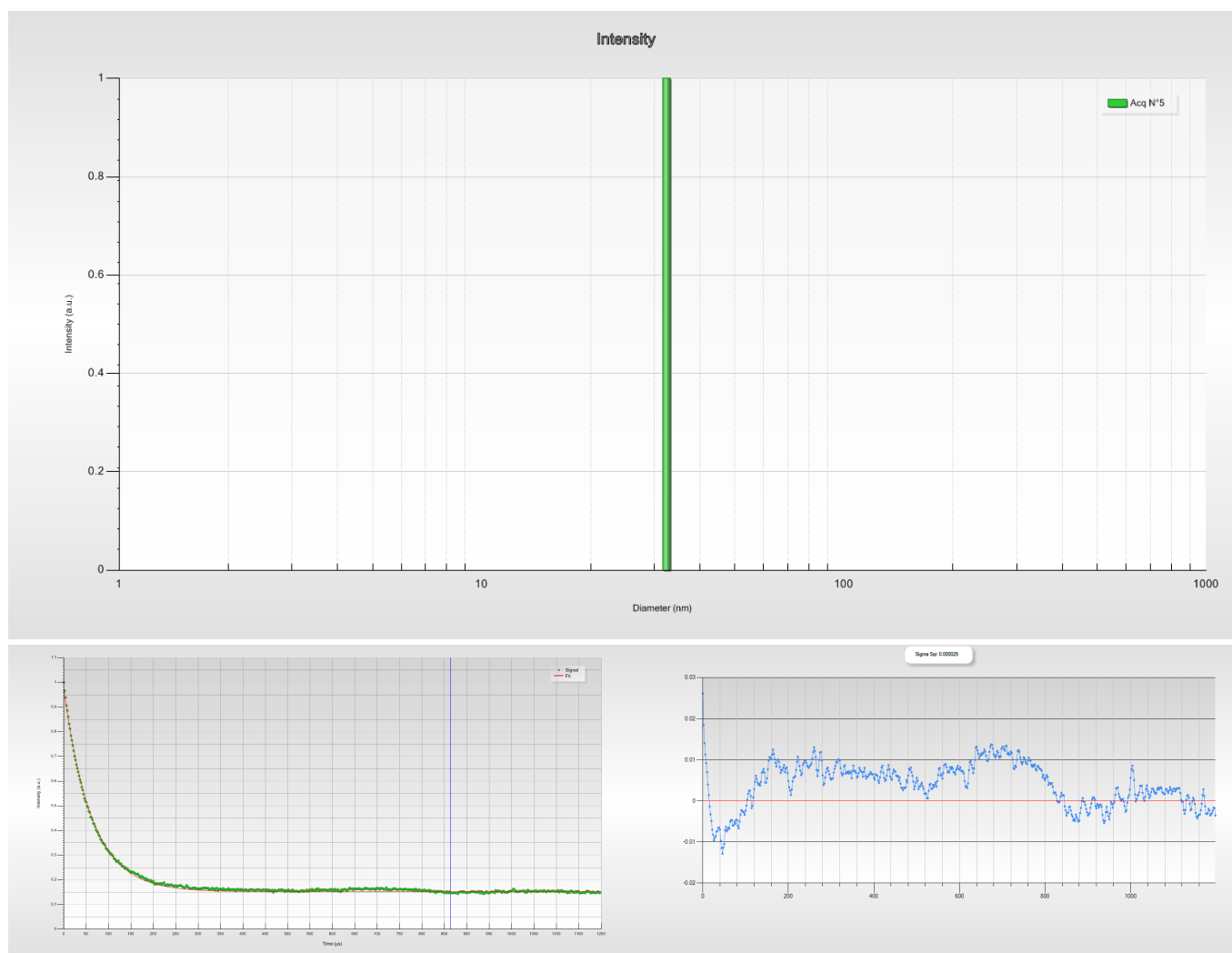
Dv 50%: 24.52 nm

Dv 90%: 37.18 nm

Std Dev: 31.82%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
28.81	0.85	9017.52	17.05968E-012



Dispersion statistics

Di 10%: 32.36 nm
Mean Intensity: 32.36 nm

Di 50%: 32.36 nm

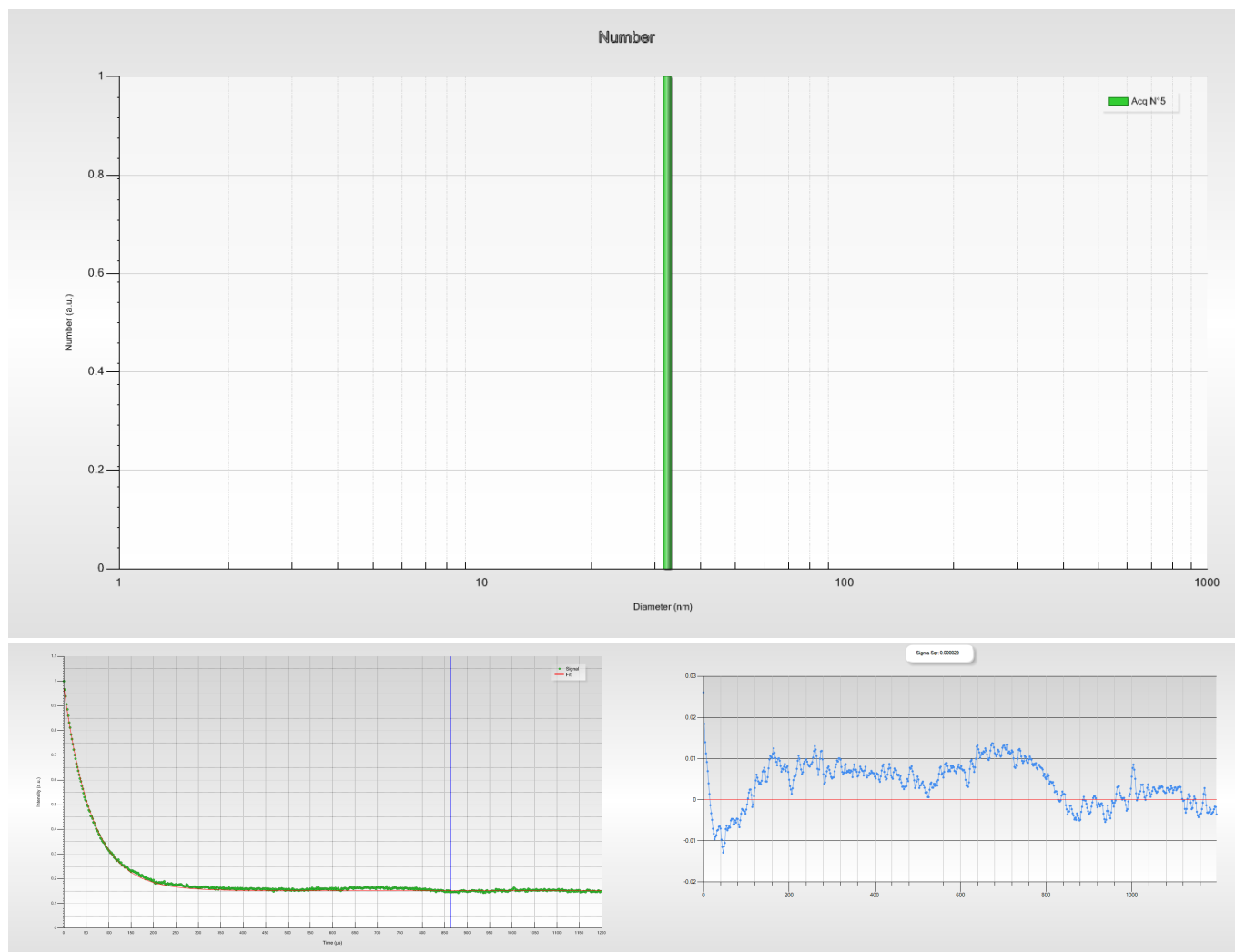
Di 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
32.44	0.91	8007.4	15.1487E-012

Dispersion datas

Size (nm)	Intensity
32.36	1



Dispersion statistics

Dn 10%: 32.36 nm
Mean Number: 32.36 nm

Dn 50%: 32.36 nm

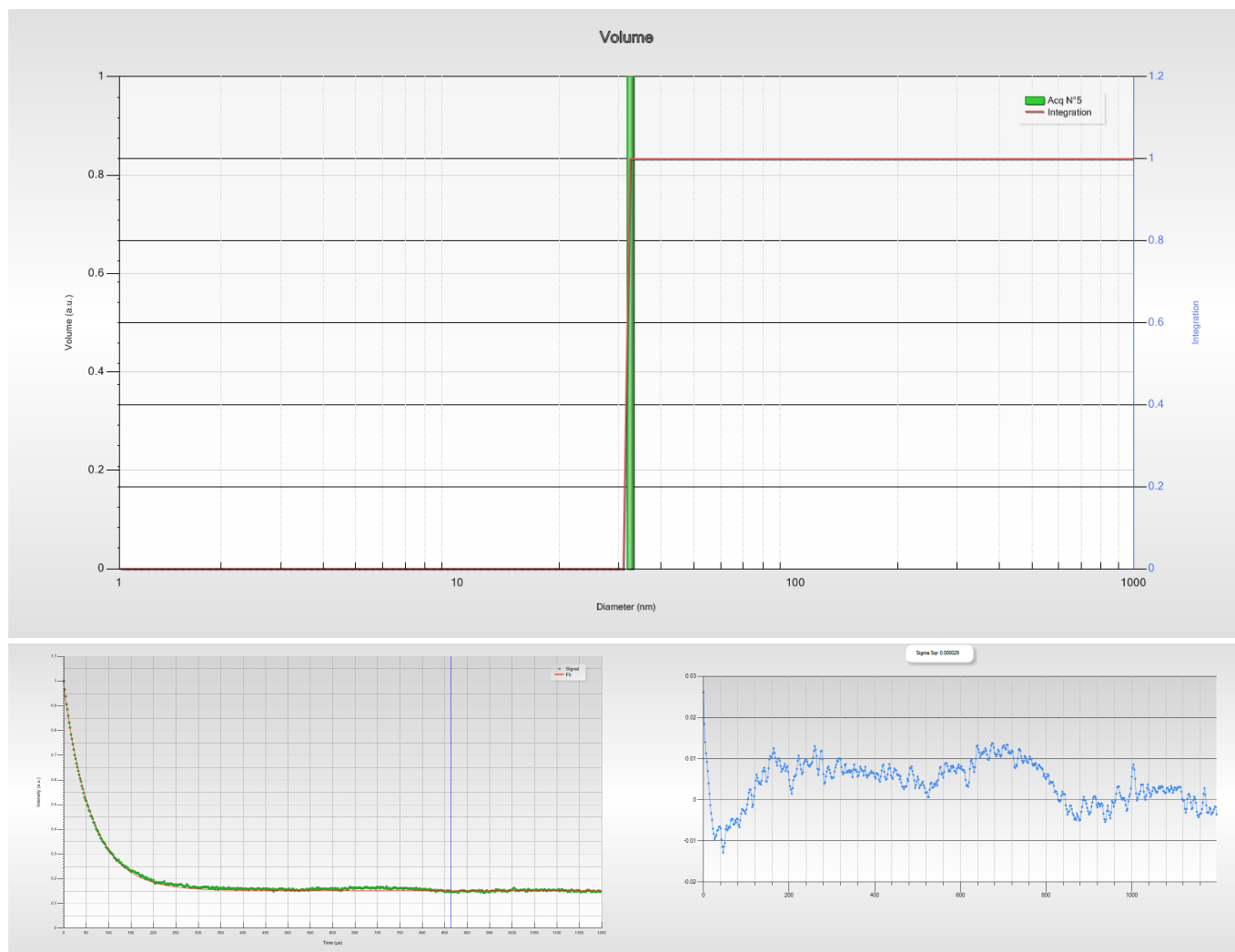
Dn 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
32.44	0.91	8007.4	15.1487E-012

Dispersion datas

Size (nm)	Number
32.36	1



Dispersion statistics

Dv 10%: 32.36 nm
Mean Volume: 32.36 nm

Dv 50%: 32.36 nm

Dv 90%: 32.36 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
32.44	0.91	8007.4	15.1487E-012

Dispersion datas

Size (nm)	Volume
32.36	1

**Distribution statistics**

Di 10%: 22.36 nm
Mean Intensity: 34.98 nm
PDI : 0.4059

Di 50%: 33.89 nm

Di 90%: 49.06 nm

Std Dev: 31.86%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
28.83	0.85	9012.04	17.04932E-012

**Distribution statistics**

Dn 10%: 12.26 nm
Mean Number: 19.62 nm
PDI : 0.4059

Dn 50%: 18.58 nm

Dn 90%: 28.17 nm

Std Dev: 31.86%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
28.83	0.85	9012.04	17.04932E-012



Distribution statistics

Dv 10%: 16.94 nm
Mean Volume: 26.32 nm
PDI : 0.4059

Dv 50%: 24.52 nm

Dv 90%: 37.18 nm

Std Dev: 31.86%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
28.83	0.85	9012.04	17.04932E-012