

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 µs	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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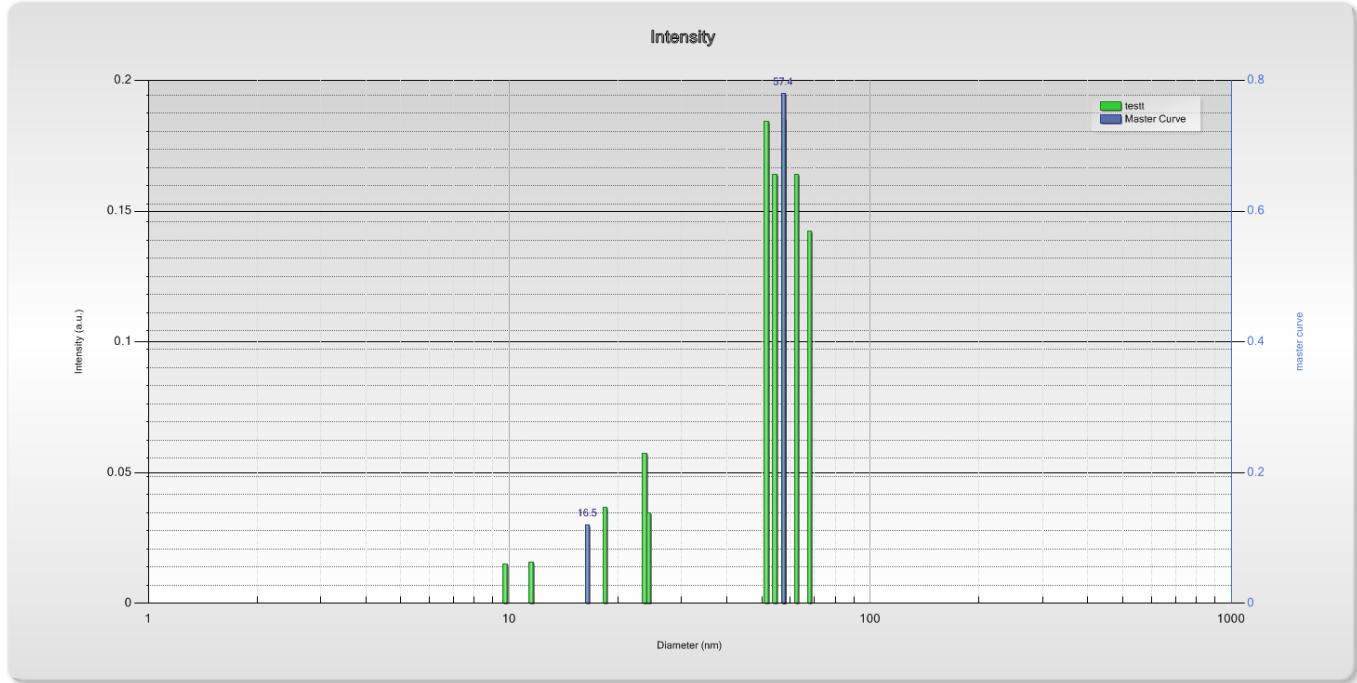
Algorithm

Pade Laplace	Cumulants
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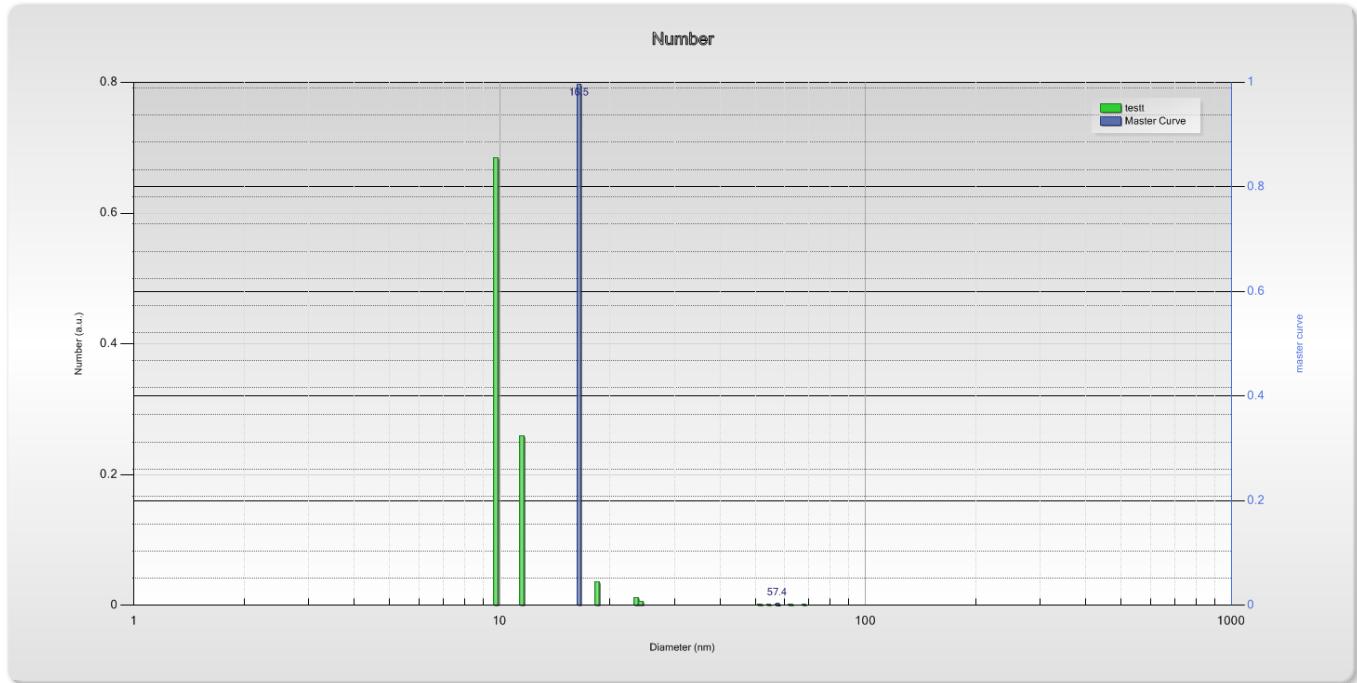
Measurement

Average count rate : 2471 kcps
Number of rejected : 0

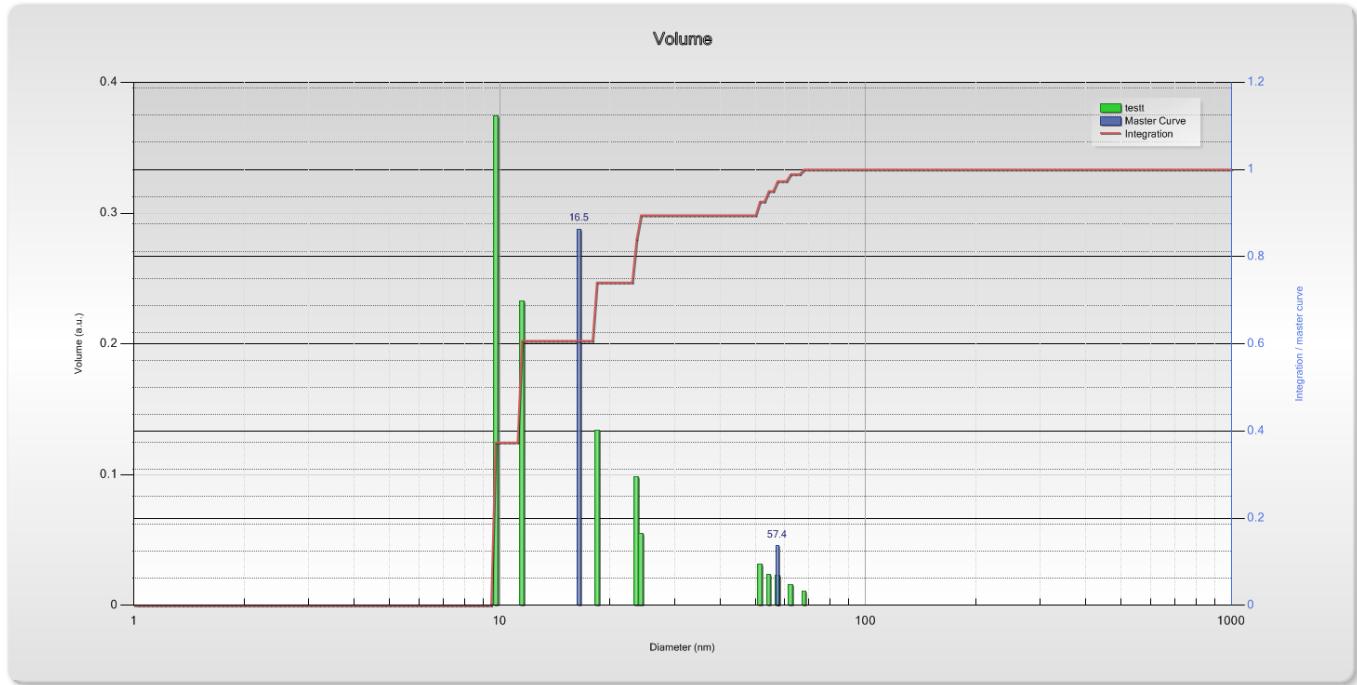
Duration : 00:05:06
Number of modified : 0

***Dispersion statistics******Di 10%: 23.63 nm******Di 50%: 54.32 nm******Di 90%: 67.81 nm******Dispersion data***

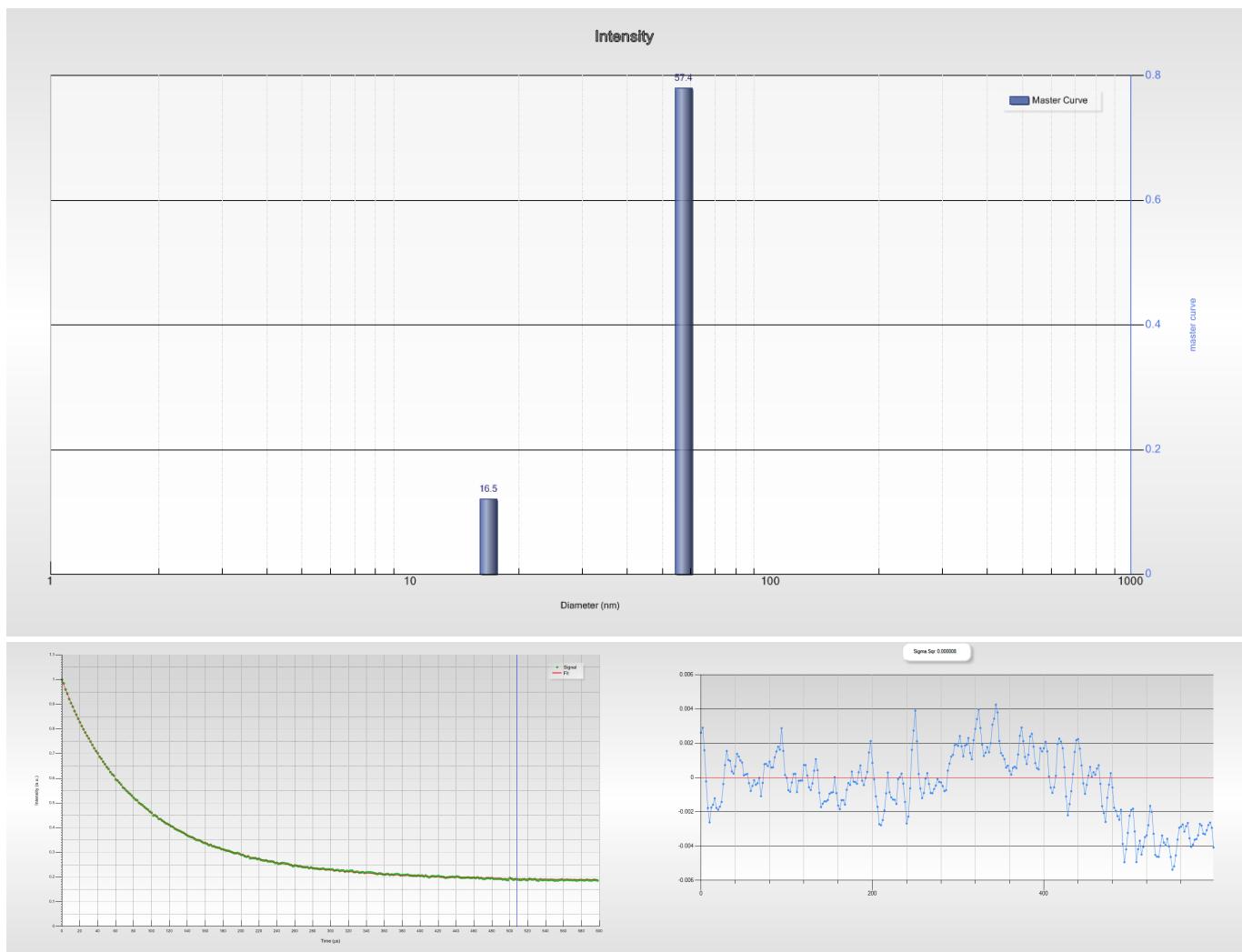
Size (nm)	Intensity						
9.73	0.02	23.63	0.06	54.32	0.16	67.81	0.14
11.49	0.02	24.3	0.03	57.42	0.19		
18.41	0.04	51.39	0.18	62.4	0.16		

***Dispersion statistics******Dn 10%: 9.73 nm******Dn 50%: 9.73 nm******Dn 90%: 11.49 nm******Dispersion data***

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****D_v 10%:** 9.73 nm**D_v 50%:** 11.49 nm**D_v 90%:** 51.39 nm**Dispersion data**

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

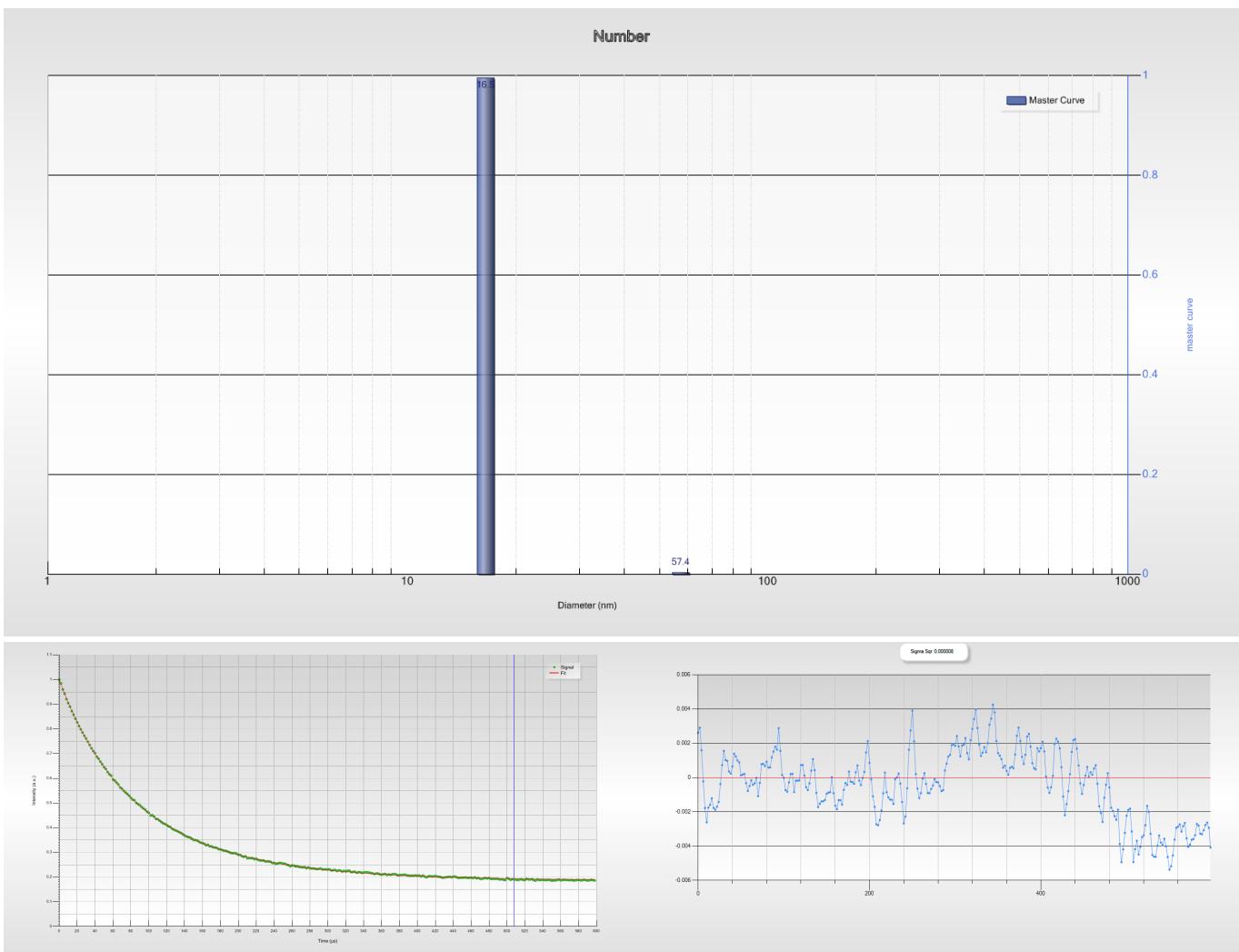
Di 90%: 57.42 nm

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 data

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

D_n 50%: 16.48 nm

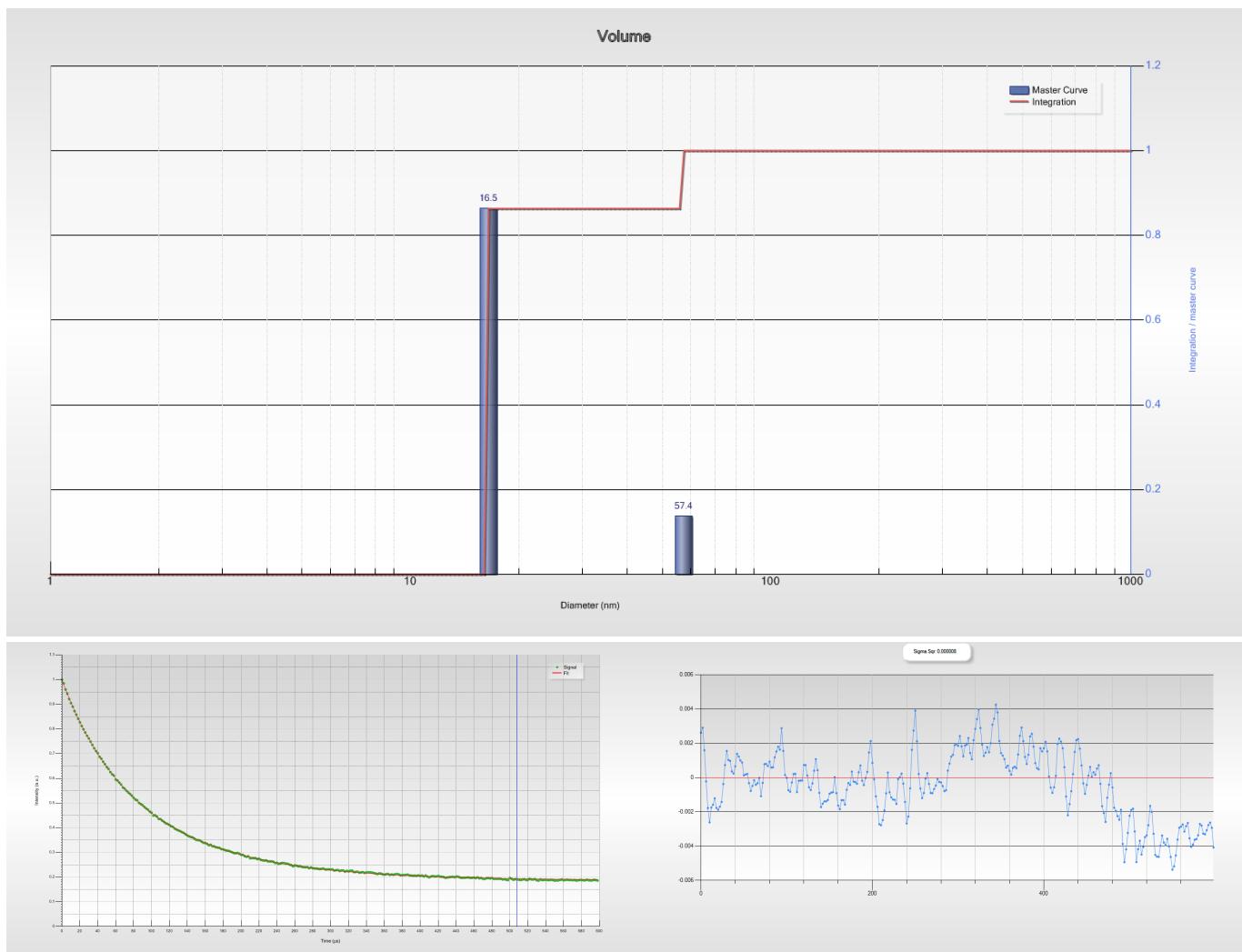
D_n 90%: 16.48 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
16.56	0.12	15697.87	29.69783E-012
57.5	0.78	4519.65	85.50448E-013

Dispersion datas

Size (nm) Number



Dispersion statistics

D_v 10%: 16.48 nm
Mean Volume: 22.08 nm

D_v 50%: 16.48 nm

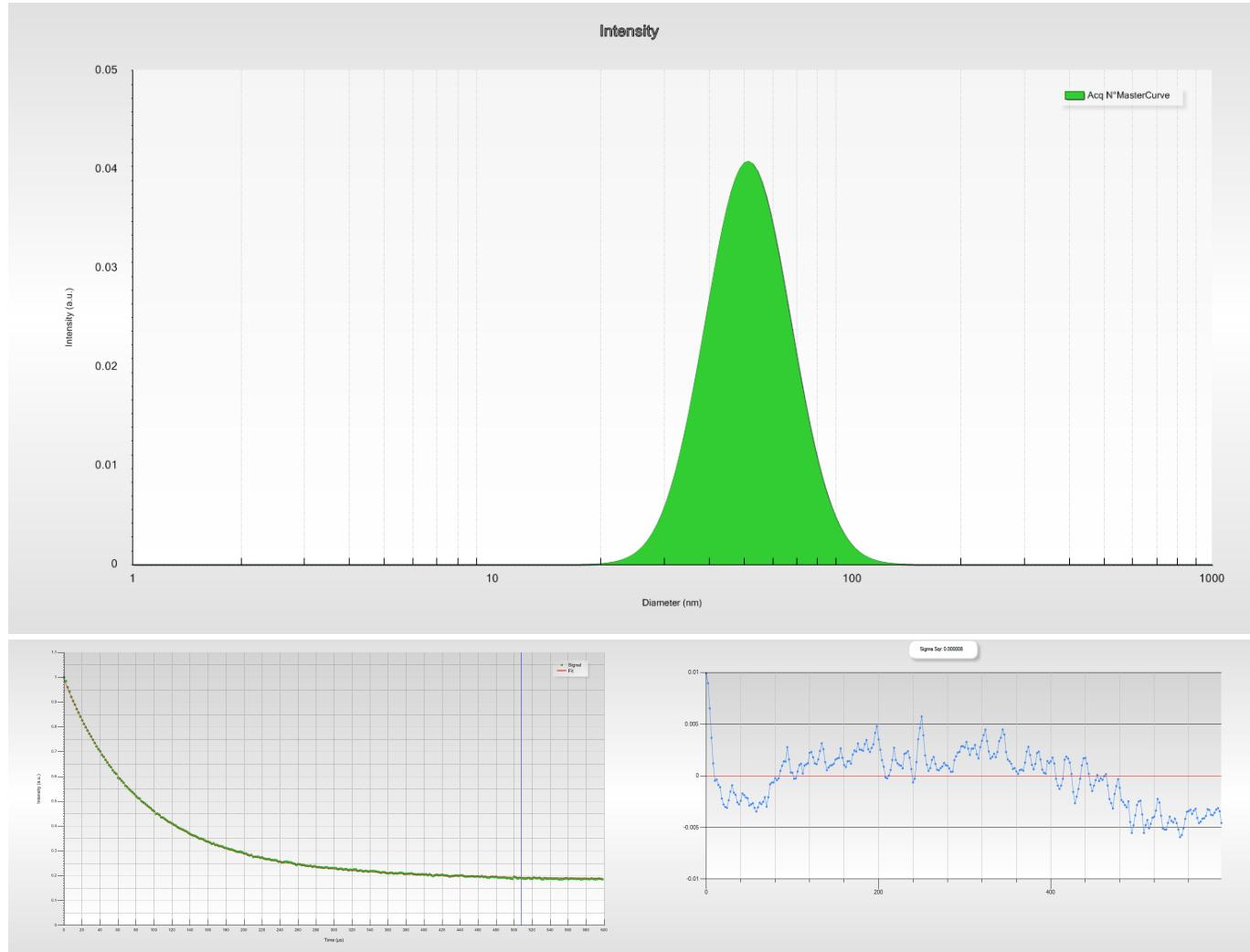
D_v 90%: 57.42 nm

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 data

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

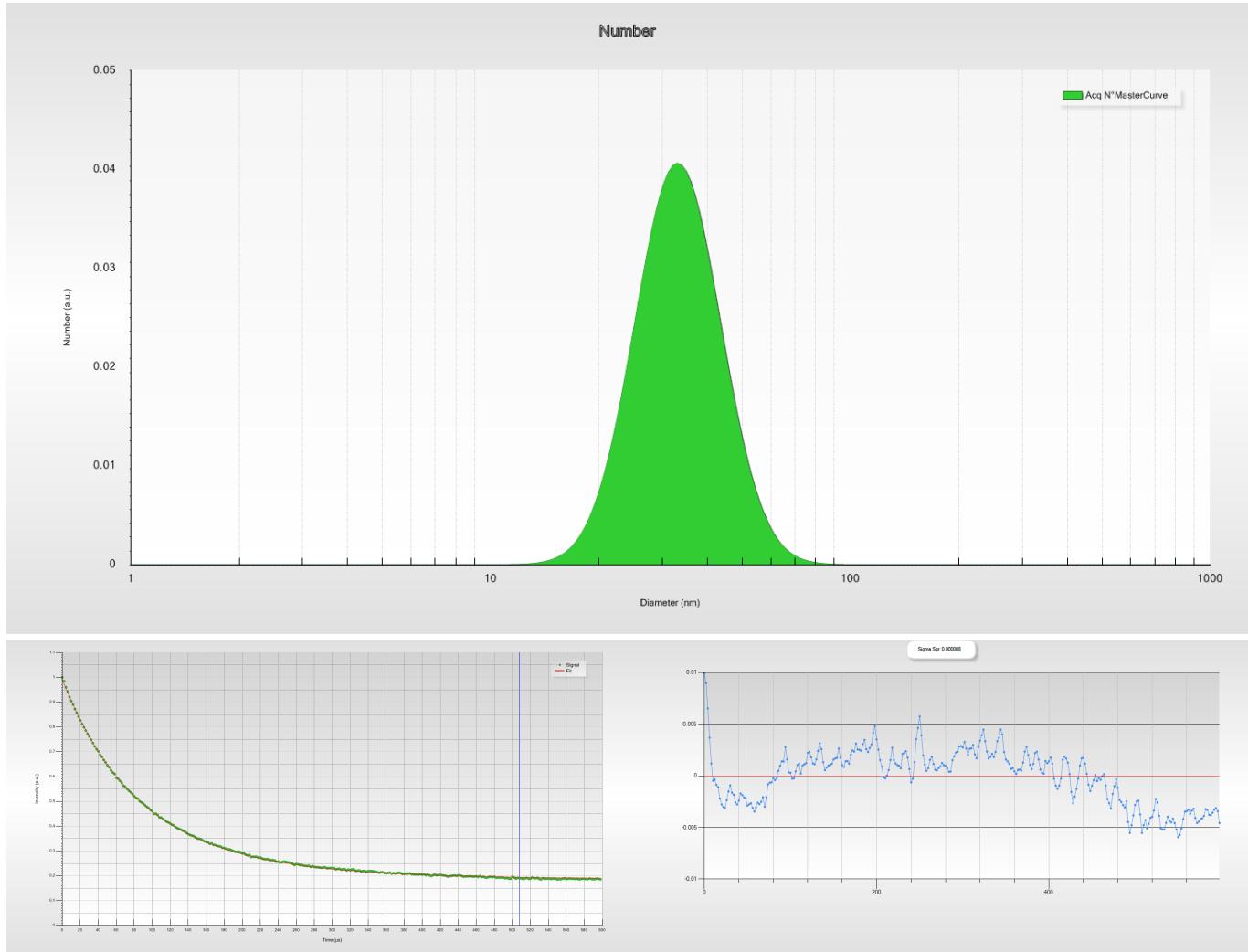
Di 50%: 51.39 nm

Di 90%: 71.68 nm

Std Dev: 27.61%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /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

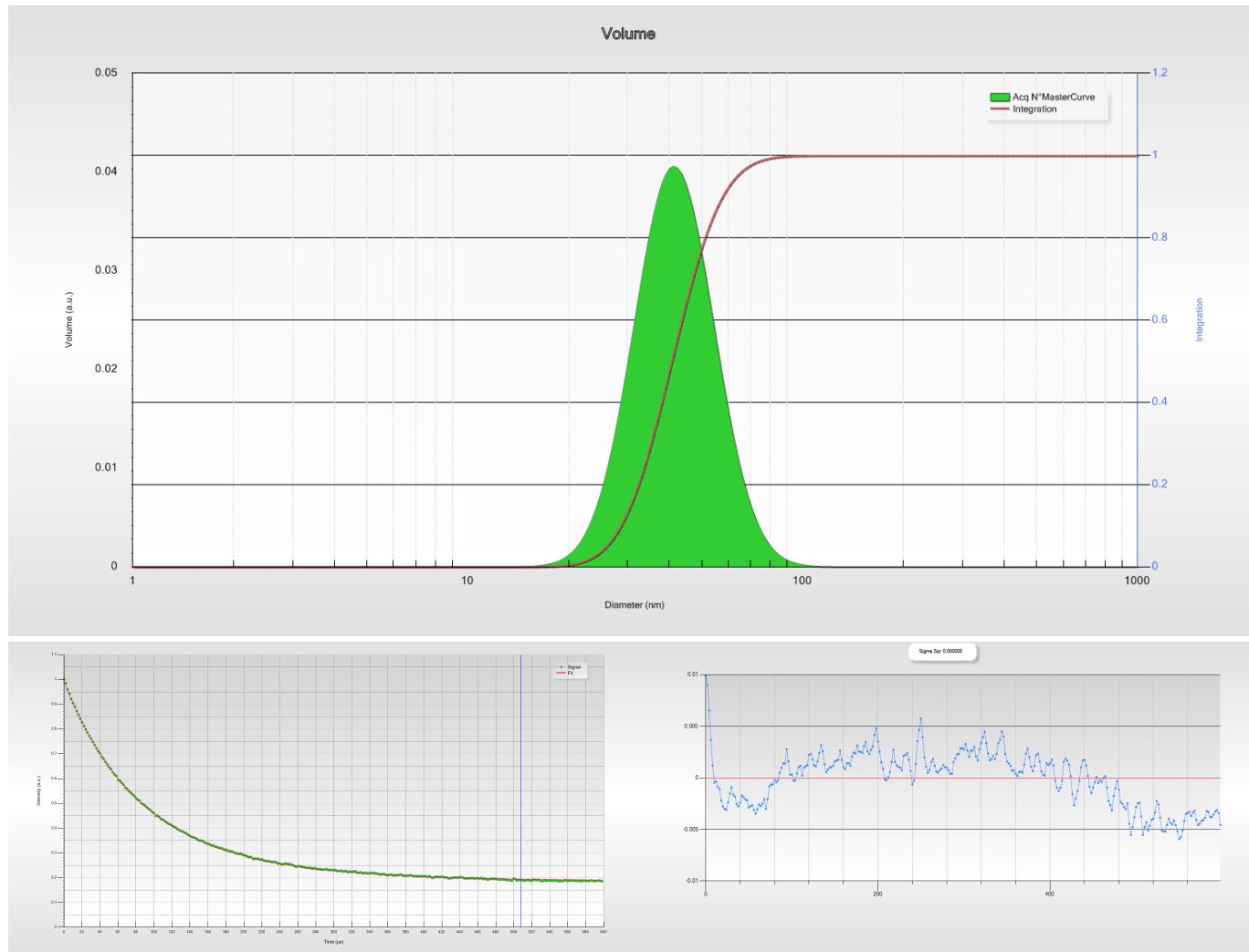
Dn 50%: 32.97 nm

Dn 90%: 47.28 nm

Std Dev: 27.61%

Detected size(s)

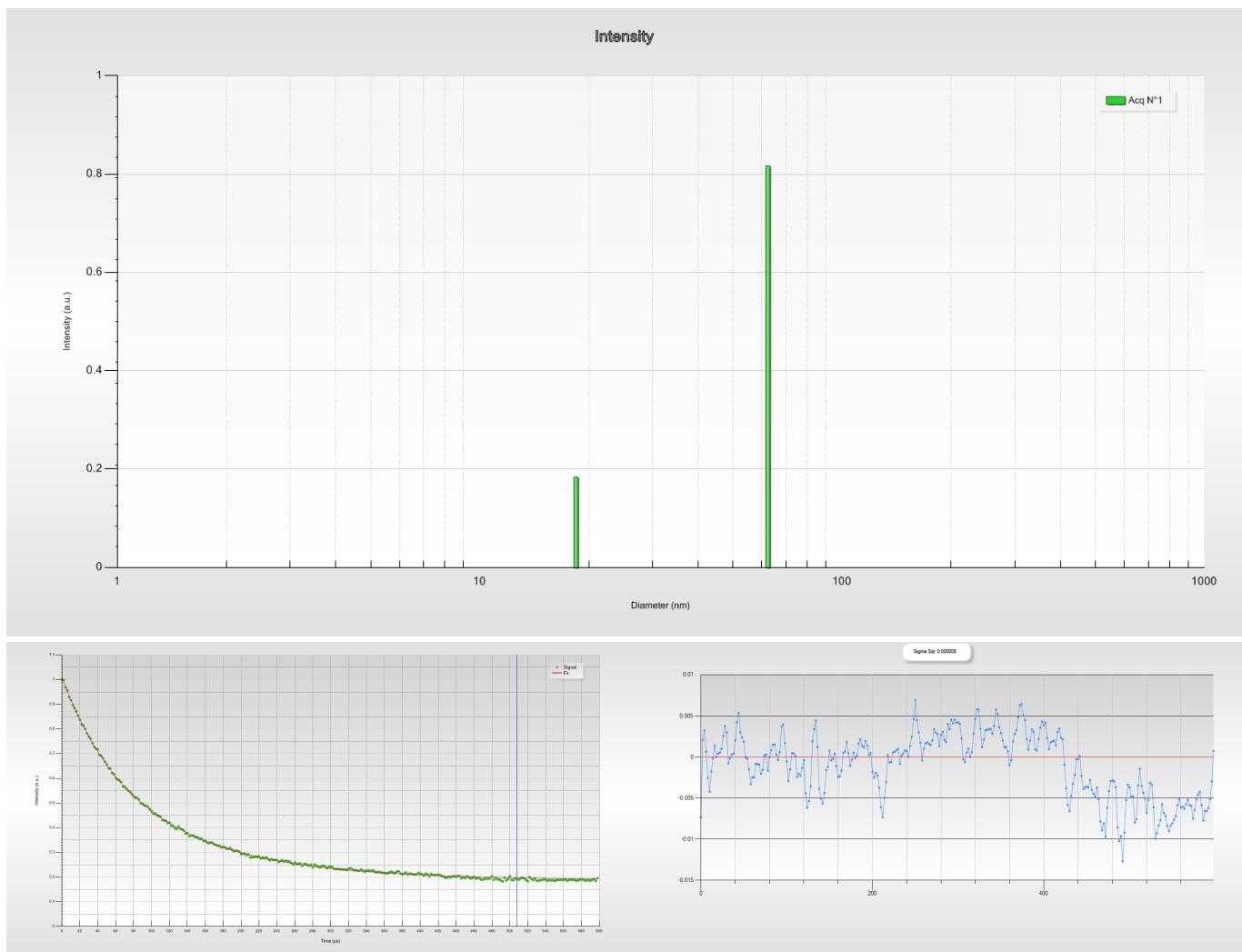
Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.88	0.8	5664.94	10.71714E-012

**Distribution statistics**

D_v 10%: 29.5 nm	D_v 50%: 41.16 nm	D_v 90%: 59.03 nm
Mean Volume: 42.83 nm		
PDI : 0.30487		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

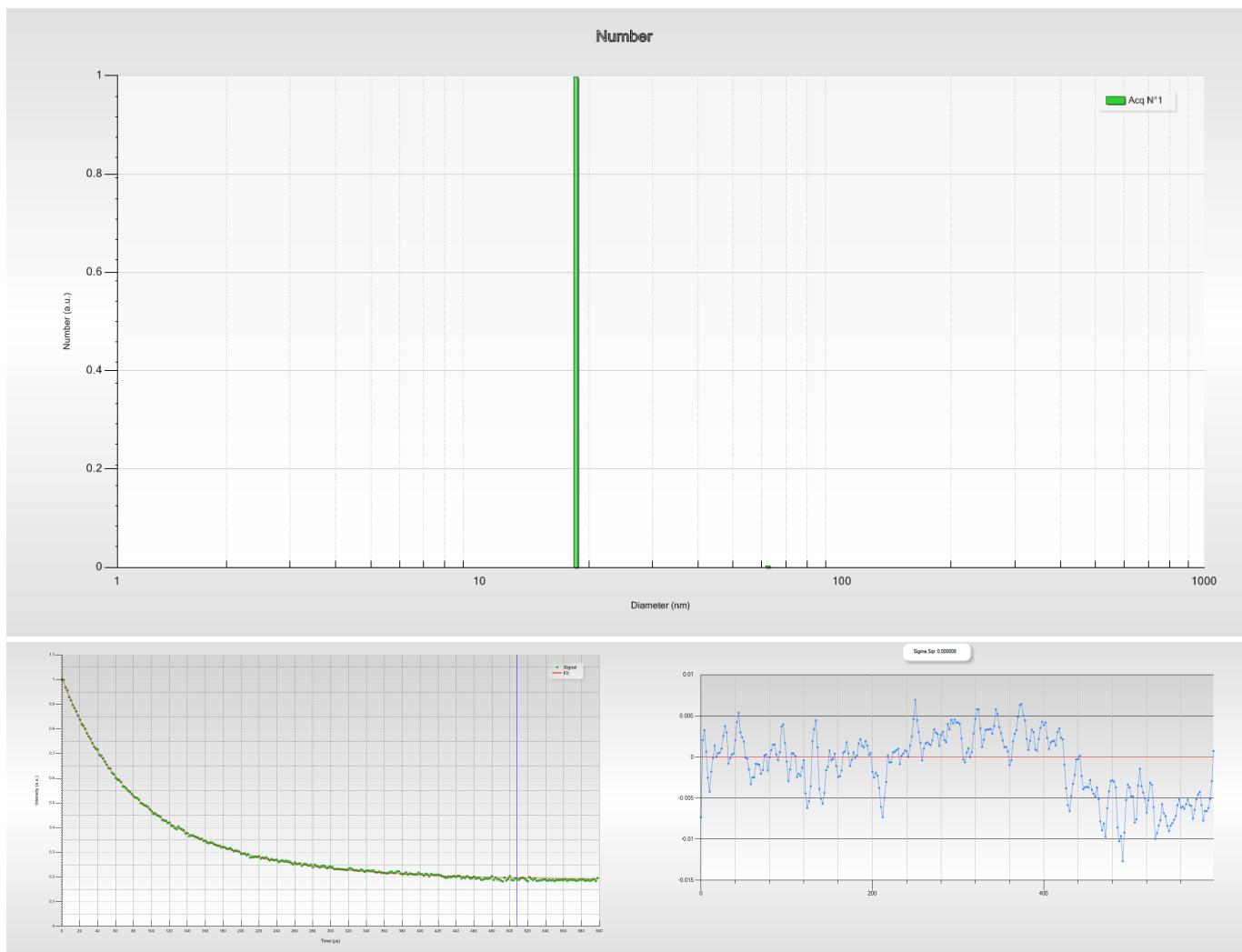
Di 90%: 62.4 nm

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 data

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



Dispersion statistics

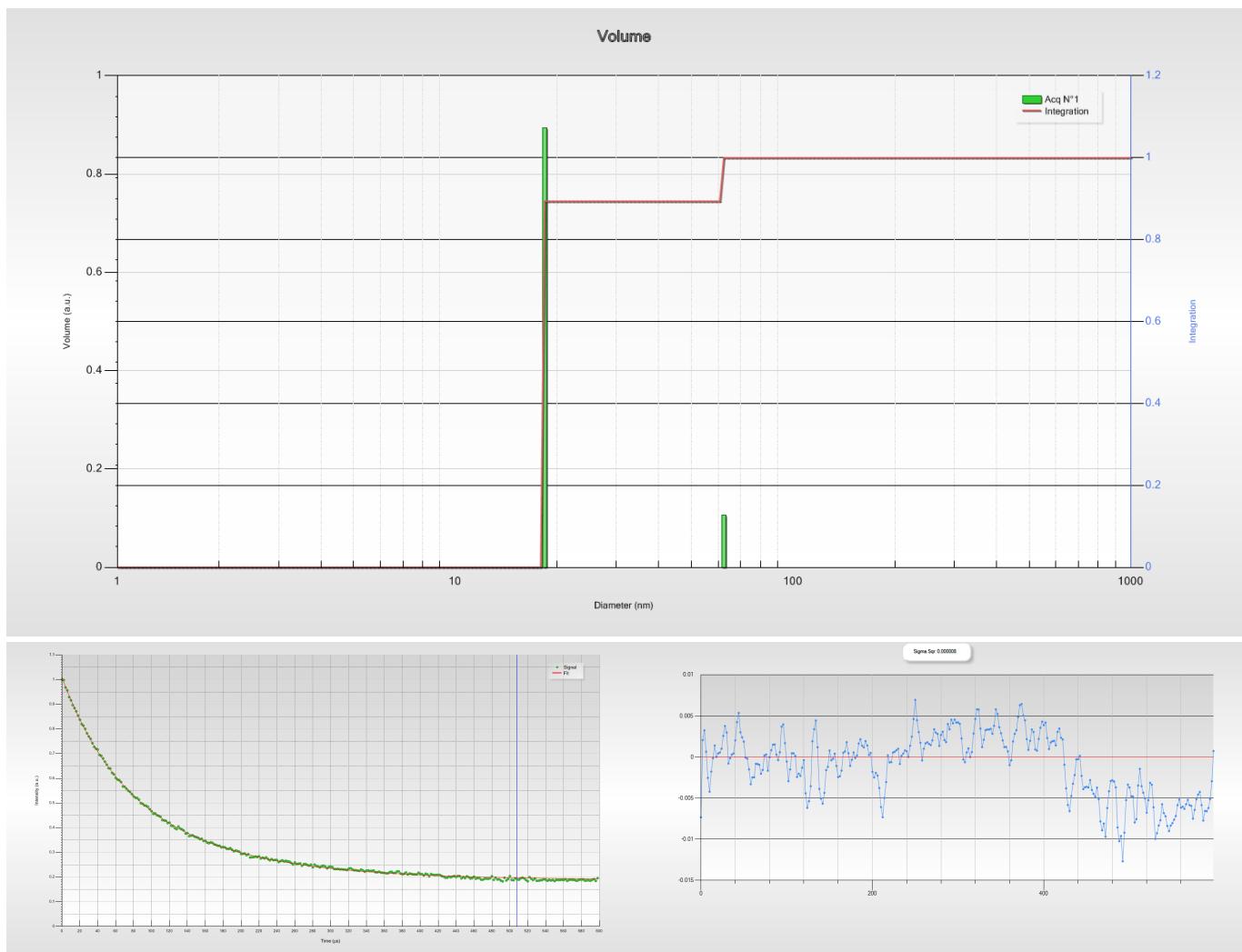
Dn 10%: 18.41 nm **Dn 50%:** 18.41 nm **Dn 90%:** 18.41 nm
Mean Number: 18.54 nm

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 data

Size (nm)	Number
18.41	1



Dispersion statistics

Dv 10%: 18.41 nm
Mean Volume: 23.09 nm

Dv 50%: 18.41 nm

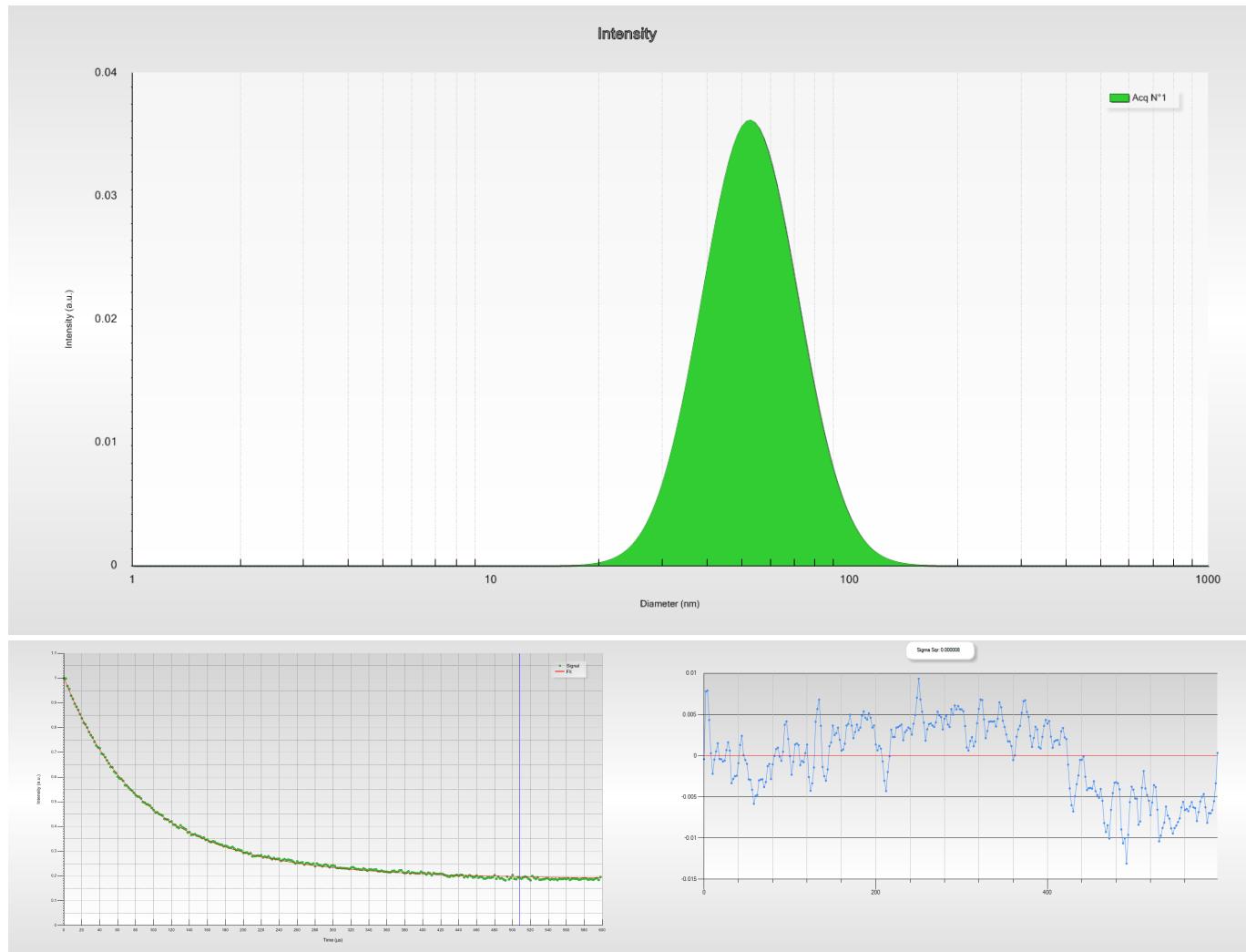
Dv 90%: 62.4 nm

Detected size(s)

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

Dispersion data

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

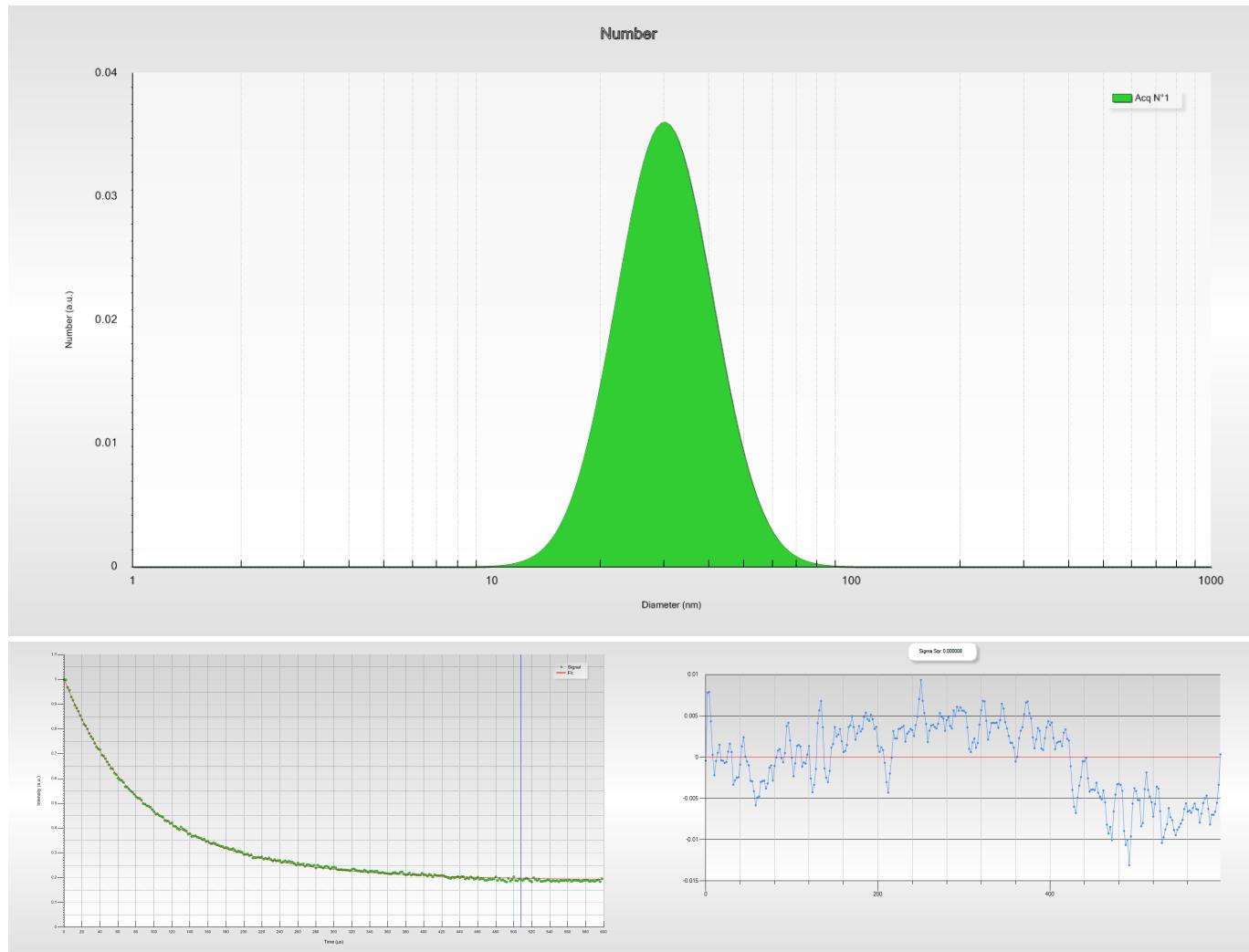


Distribution statistics

Di 10%: 35.83 nm **Di 50%:** 52.83 nm **Di 90%:** 77.91 nm
Mean Intensity: 55.18 nm **Std Dev:** 31.31%
PDI : 0.39201

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.76	0.81	5677.49	10.7409E-012

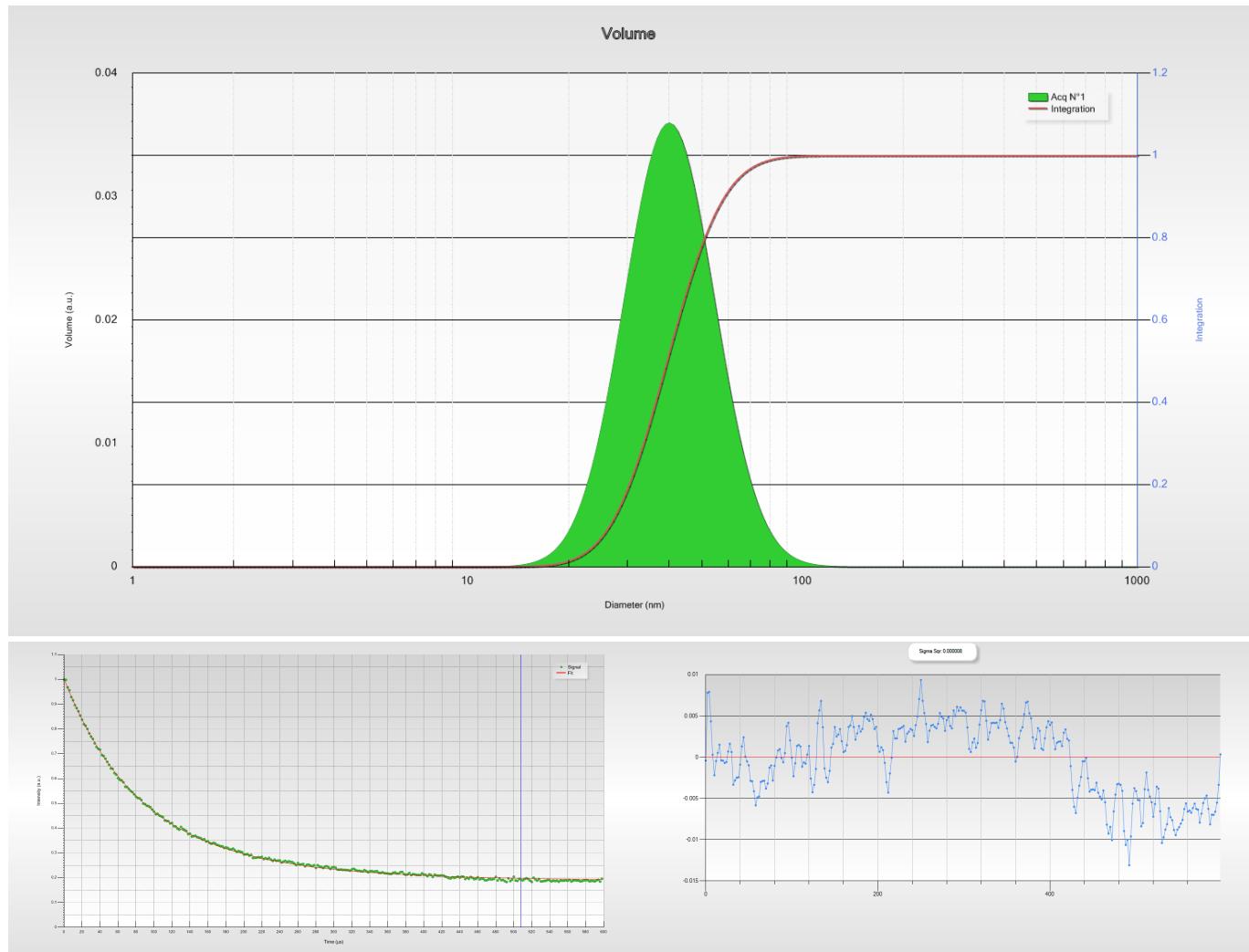


Distribution statistics

Dn 10%: 20.57 nm **Dn 50%:** 30.33 nm **Dn 90%:** 44.73 nm
Mean Number: 31.57 nm **Std Dev:** 31.31%
PDI : 0.39201

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.76	0.81	5677.49	10.7409E-012



Distribution statistics

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

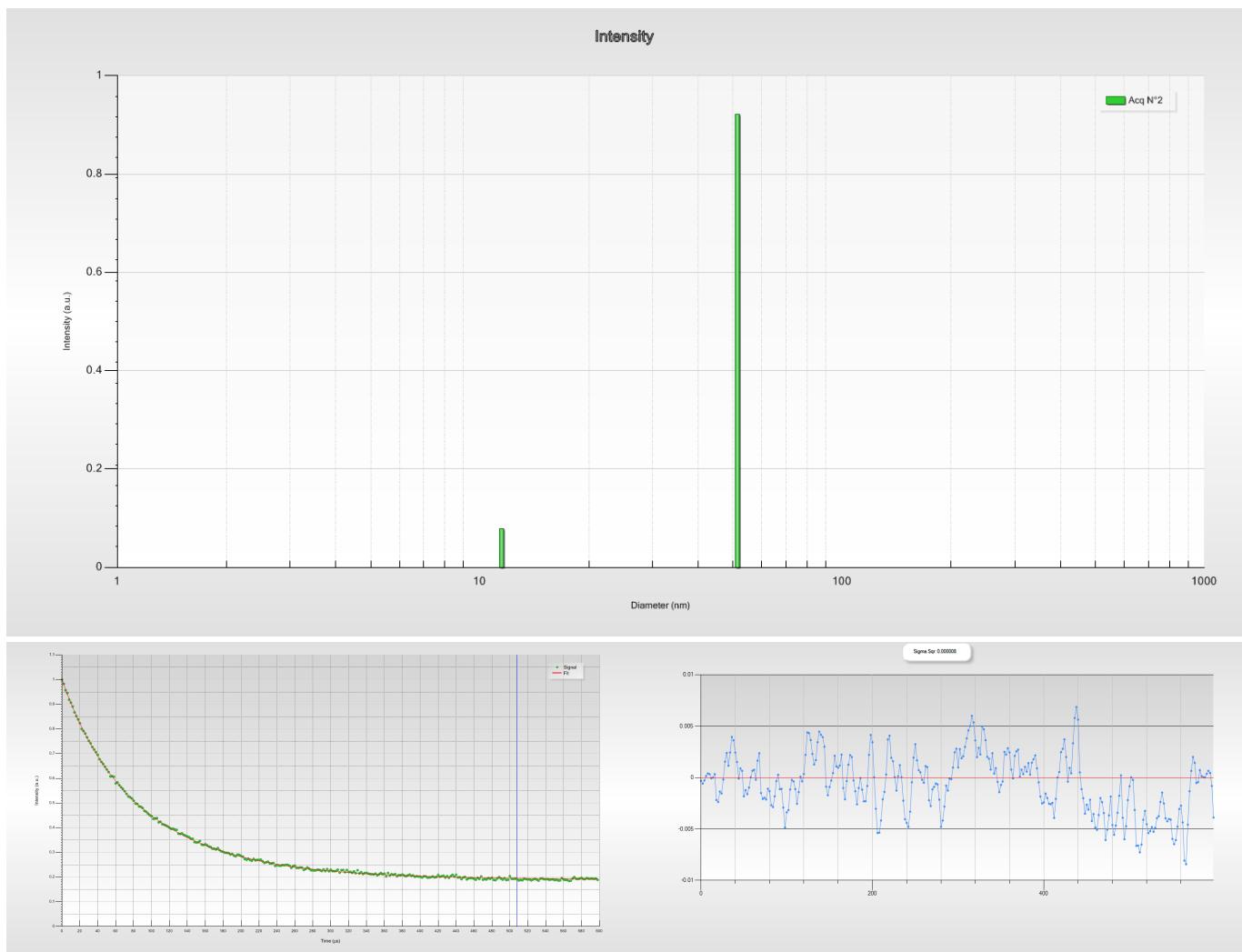
D_v 50%: 40.03 nm

D_v 90%: 59.03 nm

Std Dev: 31.31%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.76	0.81	5677.49	10.7409E-012



Dispersion statistics

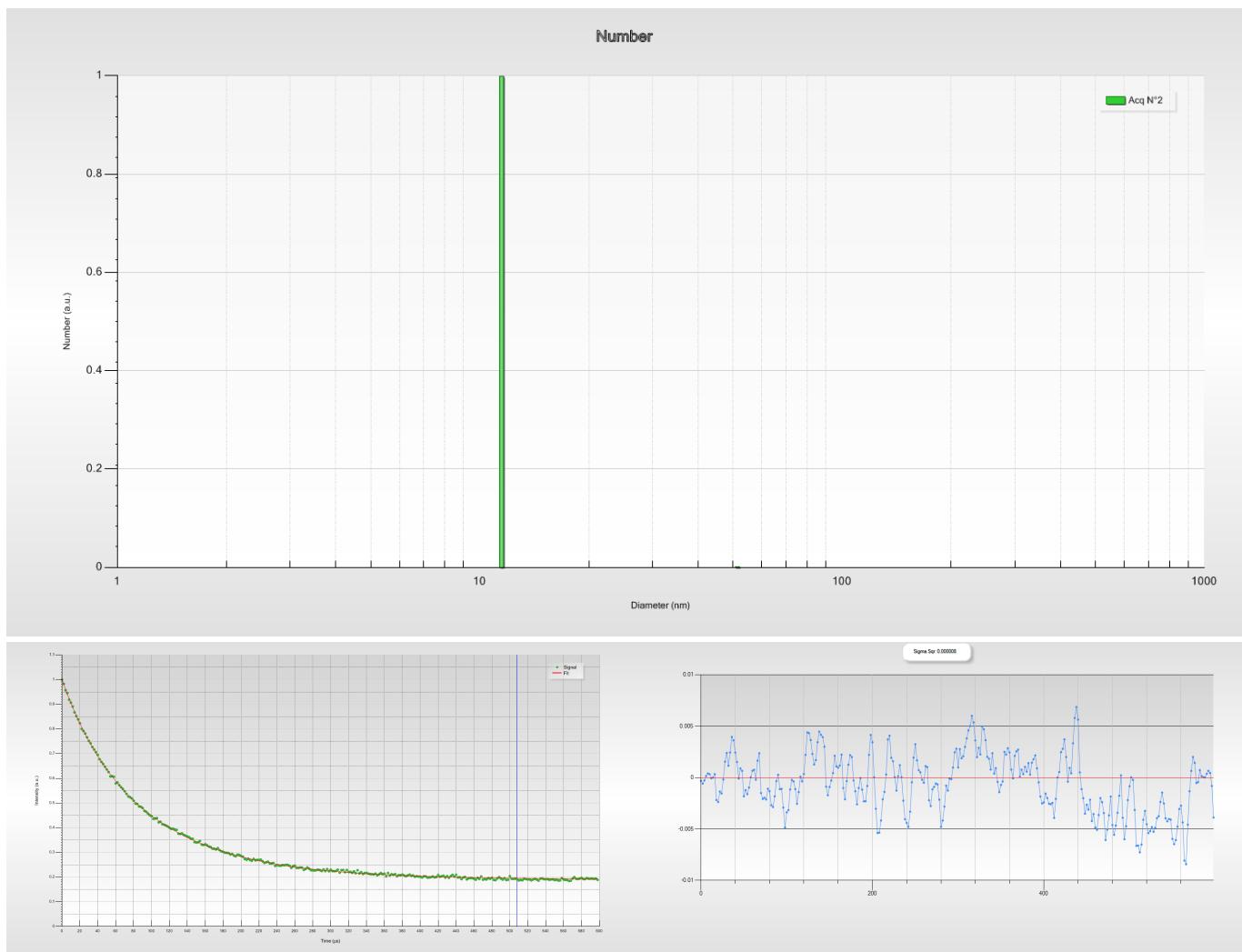
Di 10%: 51.39 nm **Di 50%:** 51.39 nm **Di 90%:** 51.39 nm
Mean Intensity: 48.27 nm

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 data

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



Dispersion statistics

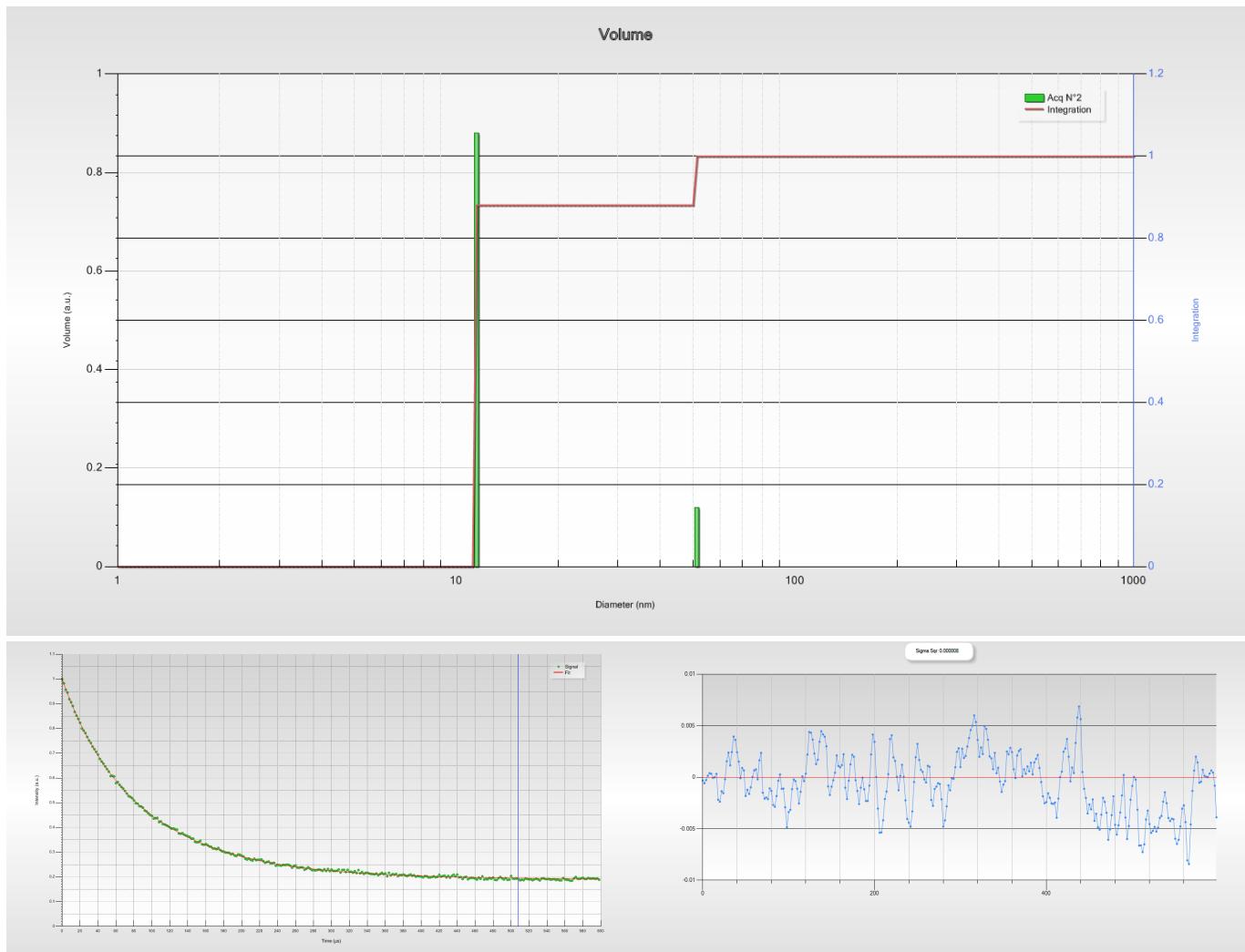
Dn 10%: 11.49 nm **Dn 50%:** 11.49 nm **Dn 90%:** 11.49 nm
Mean Number: 11.55 nm

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 data

Size (nm)	Number
11.49	1



Dispersion statistics

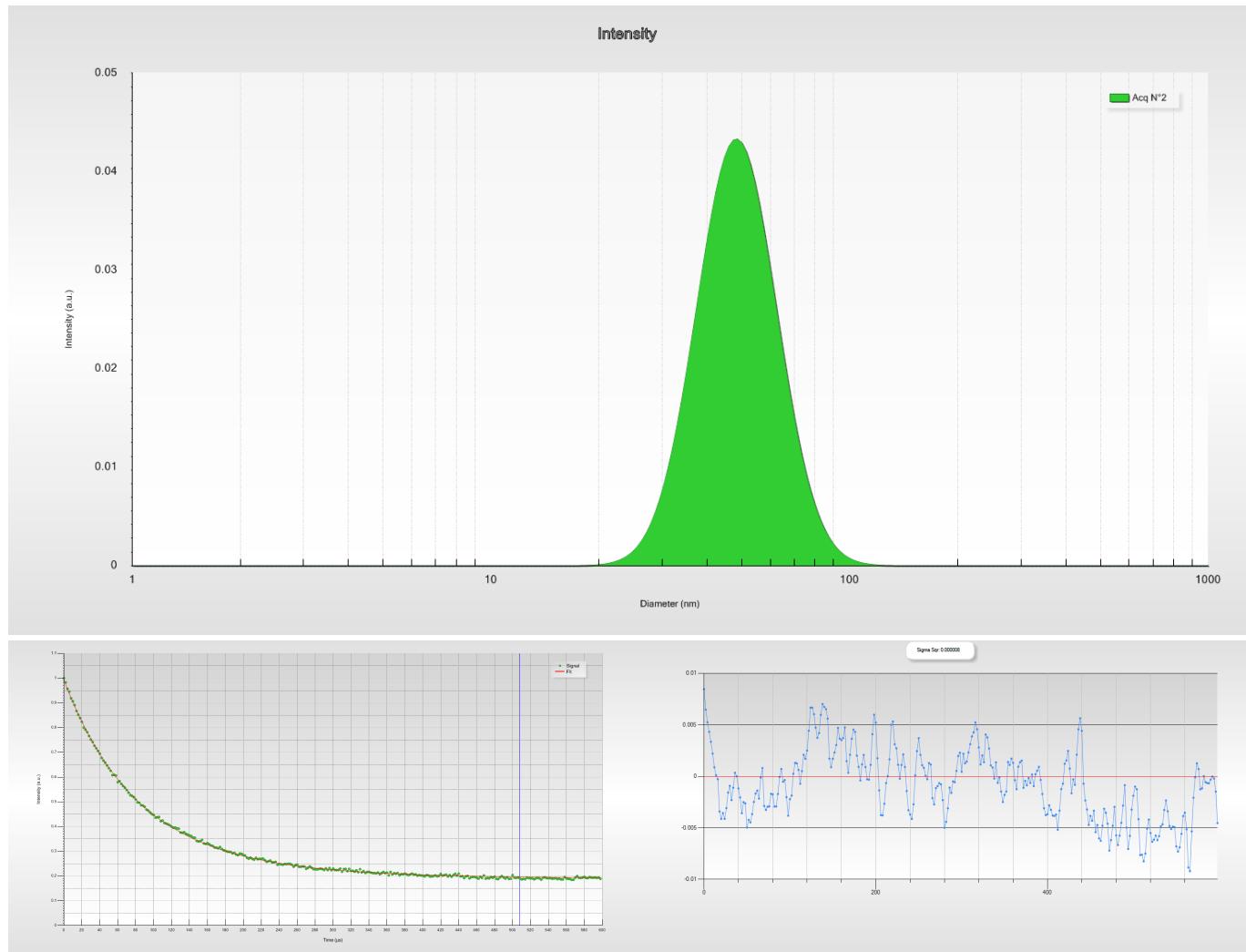
D_v 10%: 11.49 nm **D_v 50%:** 11.49 nm **D_v 90%:** 51.39 nm
Mean Volume: 16.25 nm

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 data

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

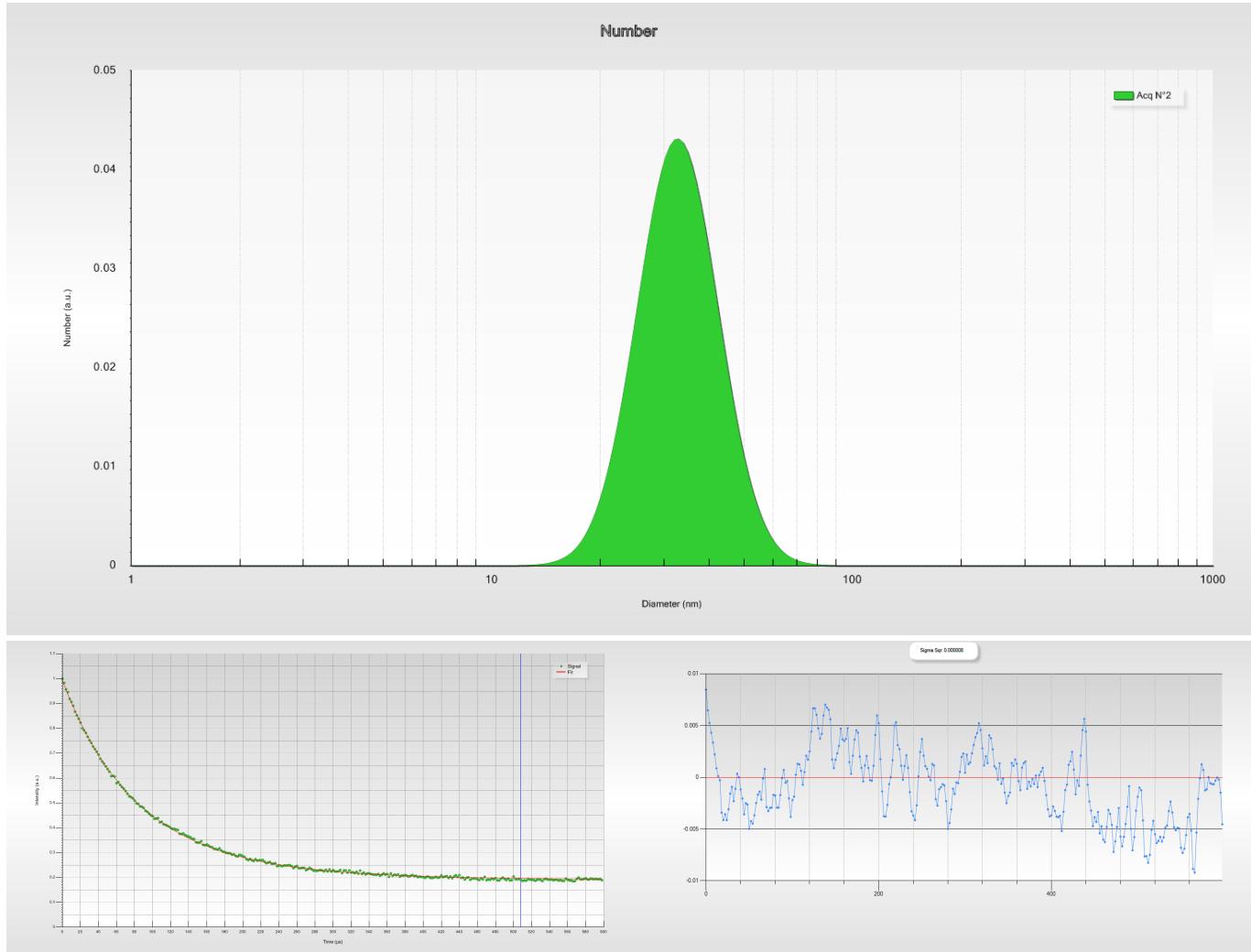


Distribution statistics

Di 10%: 34.85 nm **Di 50%:** 48.61 nm **Di 90%:** 67.81 nm
Mean Intensity: 49.88 nm **Std Dev:** 25.96%
PDI : 0.26951

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
43.77	0.8	5935.17	11.22839E-012



Distribution statistics

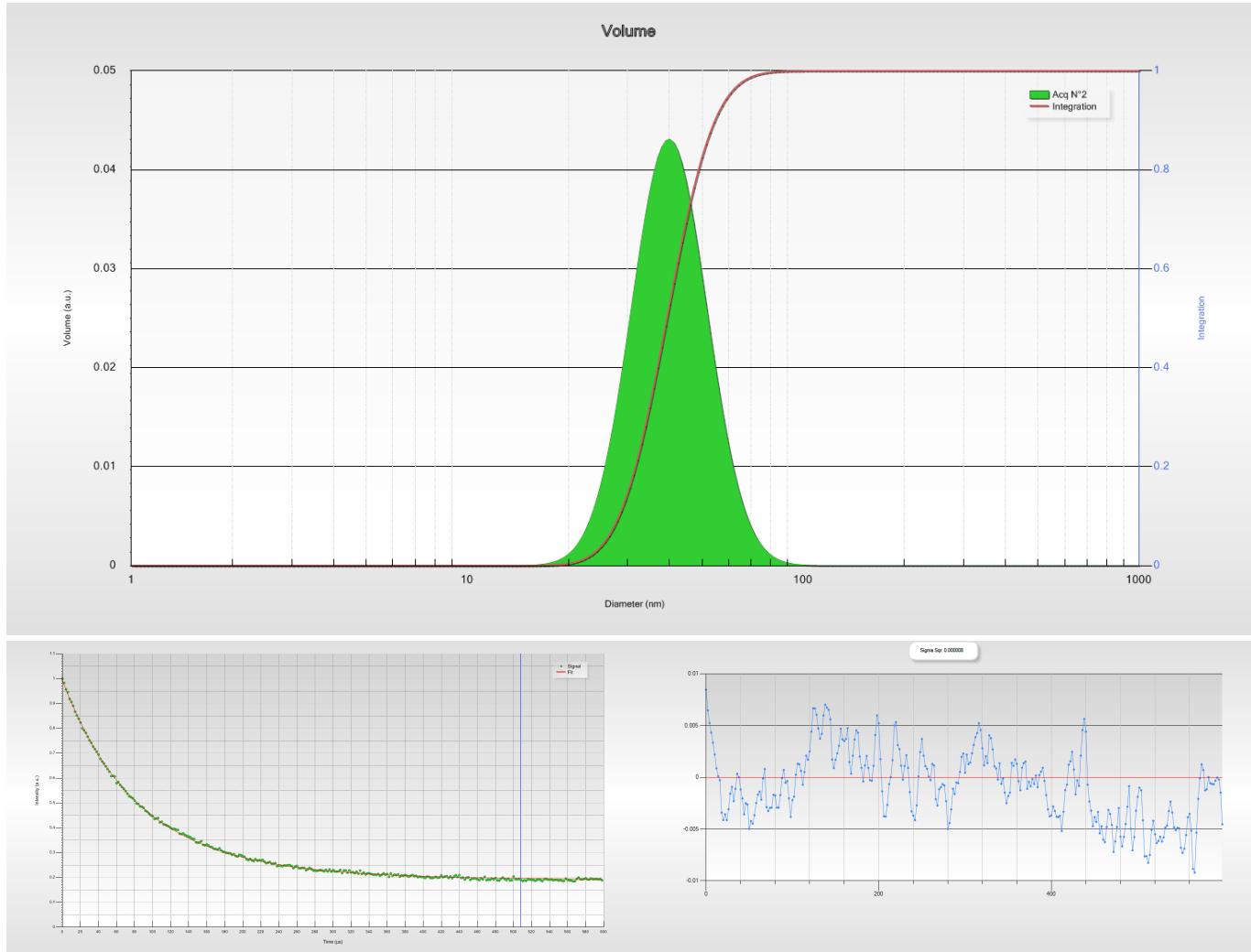
Dn 10%: 23.63 nm
Mean Number: 33.8 nm
PDI : 0.26951

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. (m ² /s)
43.77	0.8	5935.17	11.22839E-012

**Distribution statistics**

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

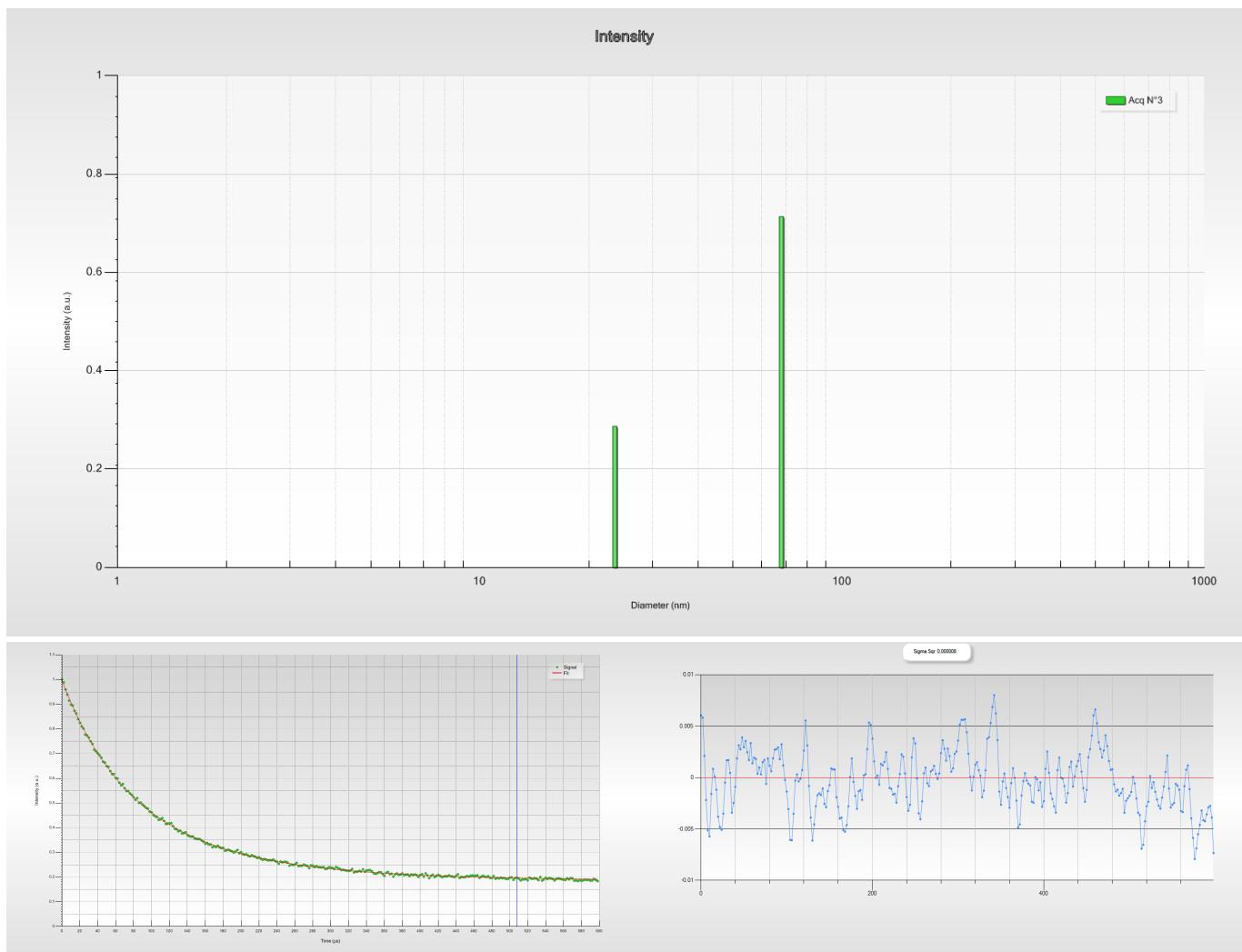
D_v 50%: 40.03 nm

D_v 90%: 55.85 nm

Std Dev: 25.96%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /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

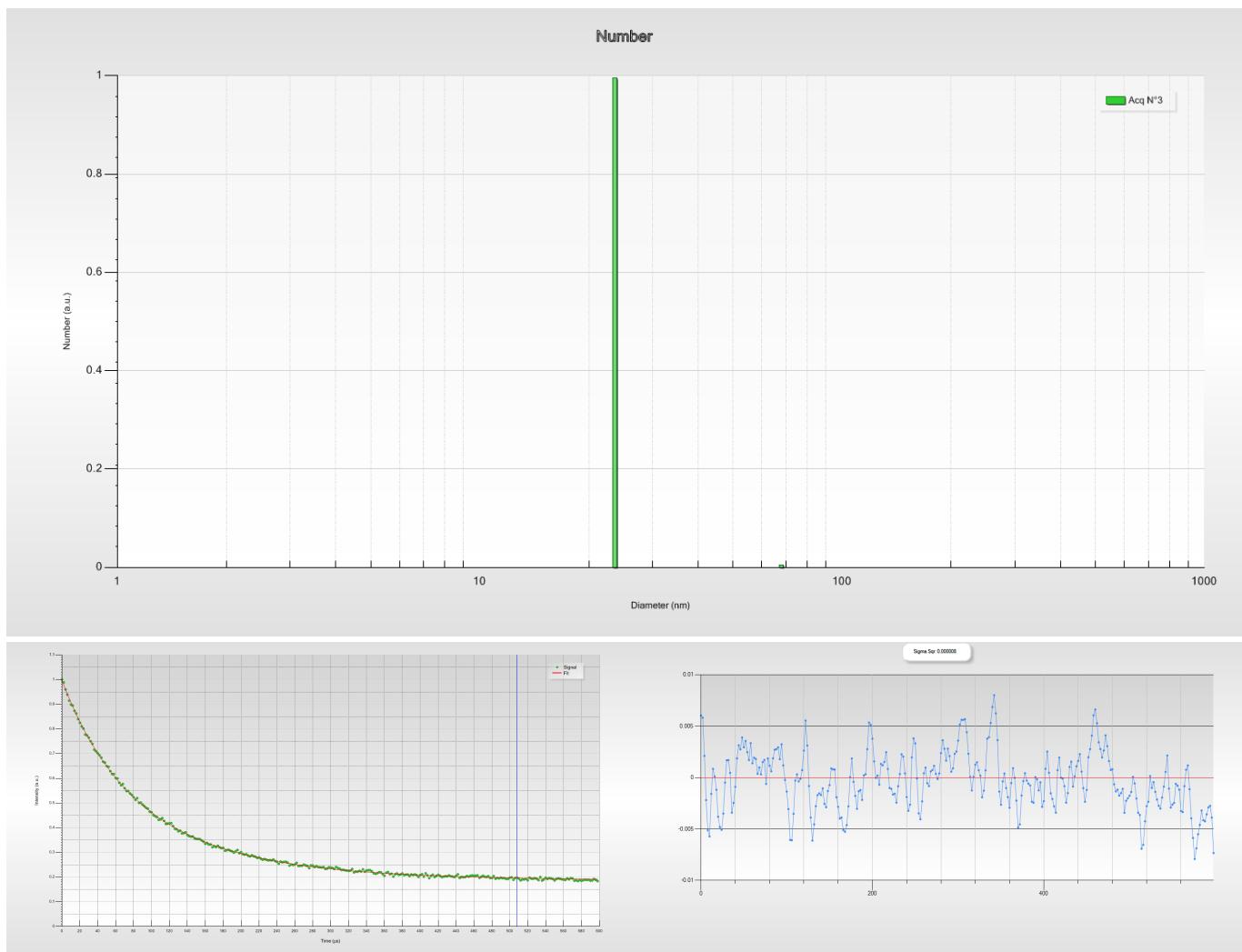
Di 90%: 67.81 nm

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 data

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



Dispersion statistics

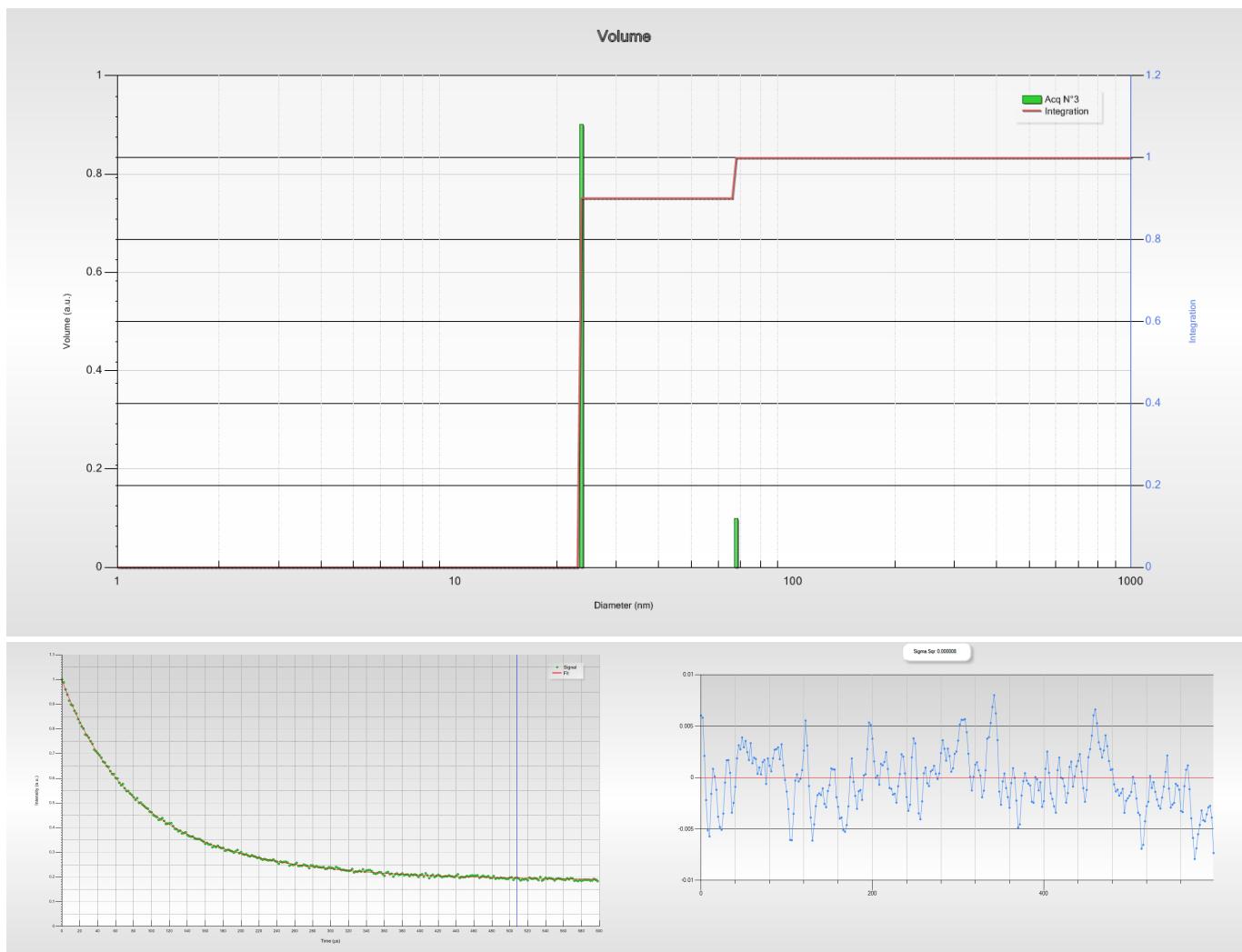
Dn 10%: 23.63 nm **Dn 50%:** 23.63 nm **Dn 90%:** 23.63 nm
Mean Number: 23.84 nm

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 data

Size (nm)	Number
23.63	1



Dispersion statistics

D_v 10%: 23.63 nm
Mean Volume: 28 nm

D_v 50%: 23.63 nm

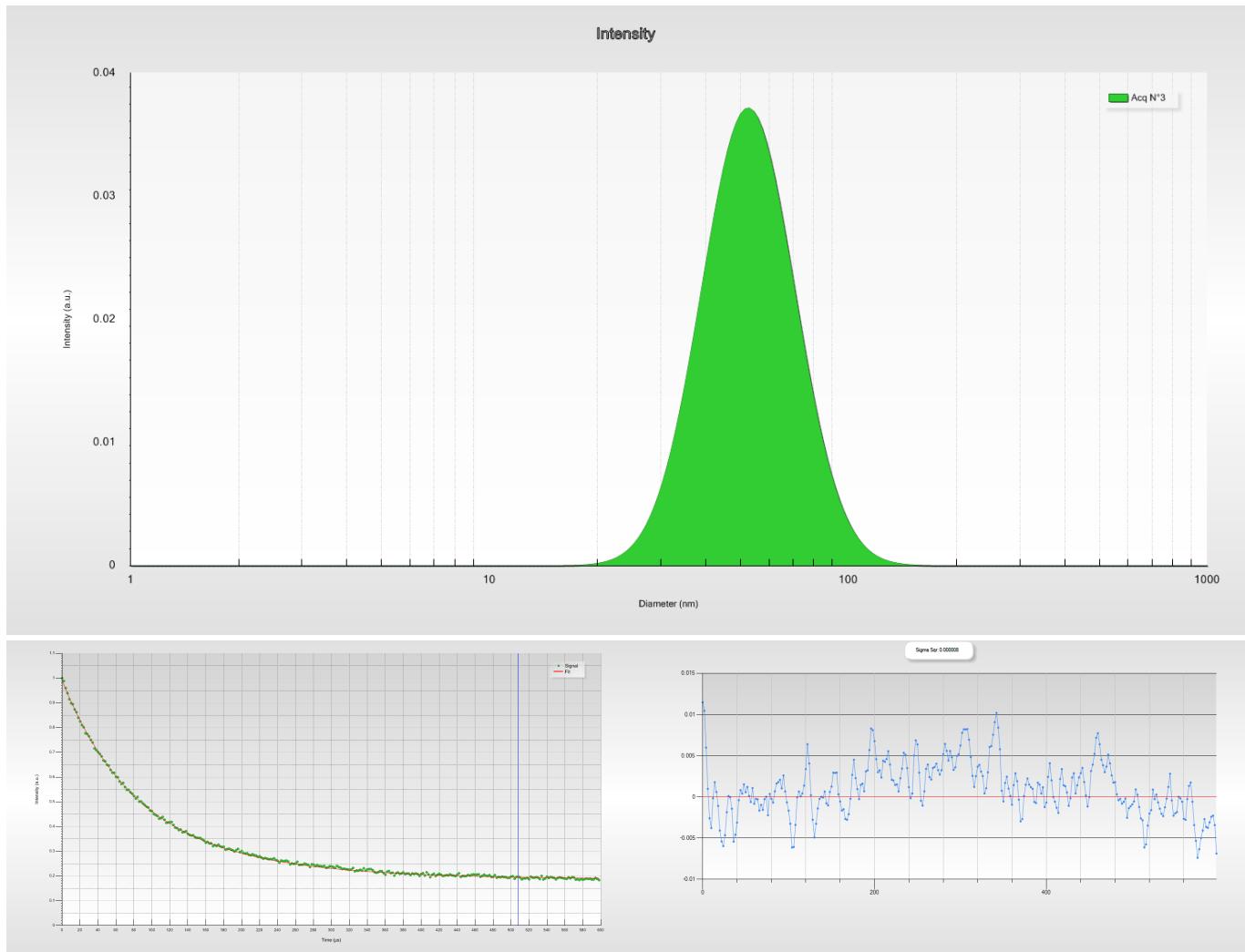
D_v 90%: 23.63 nm

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 data

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

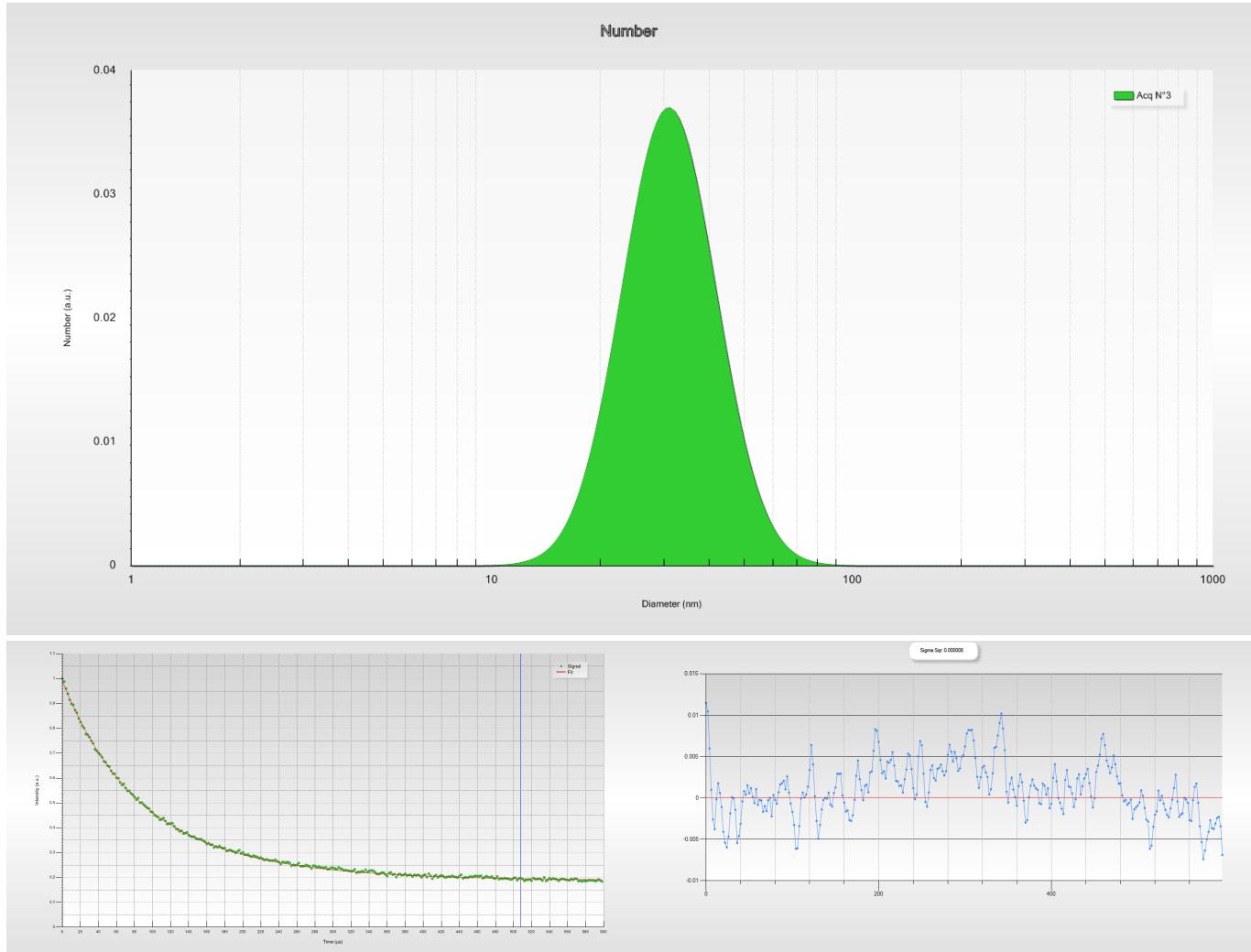


Distribution statistics

Di 10%: 35.83 nm **Di 50%:** 52.83 nm **Di 90%:** 77.91 nm
Mean Intensity: 54.86 nm **Std Dev:** 30.43%
PDI : 0.3704

Detected size(s)

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

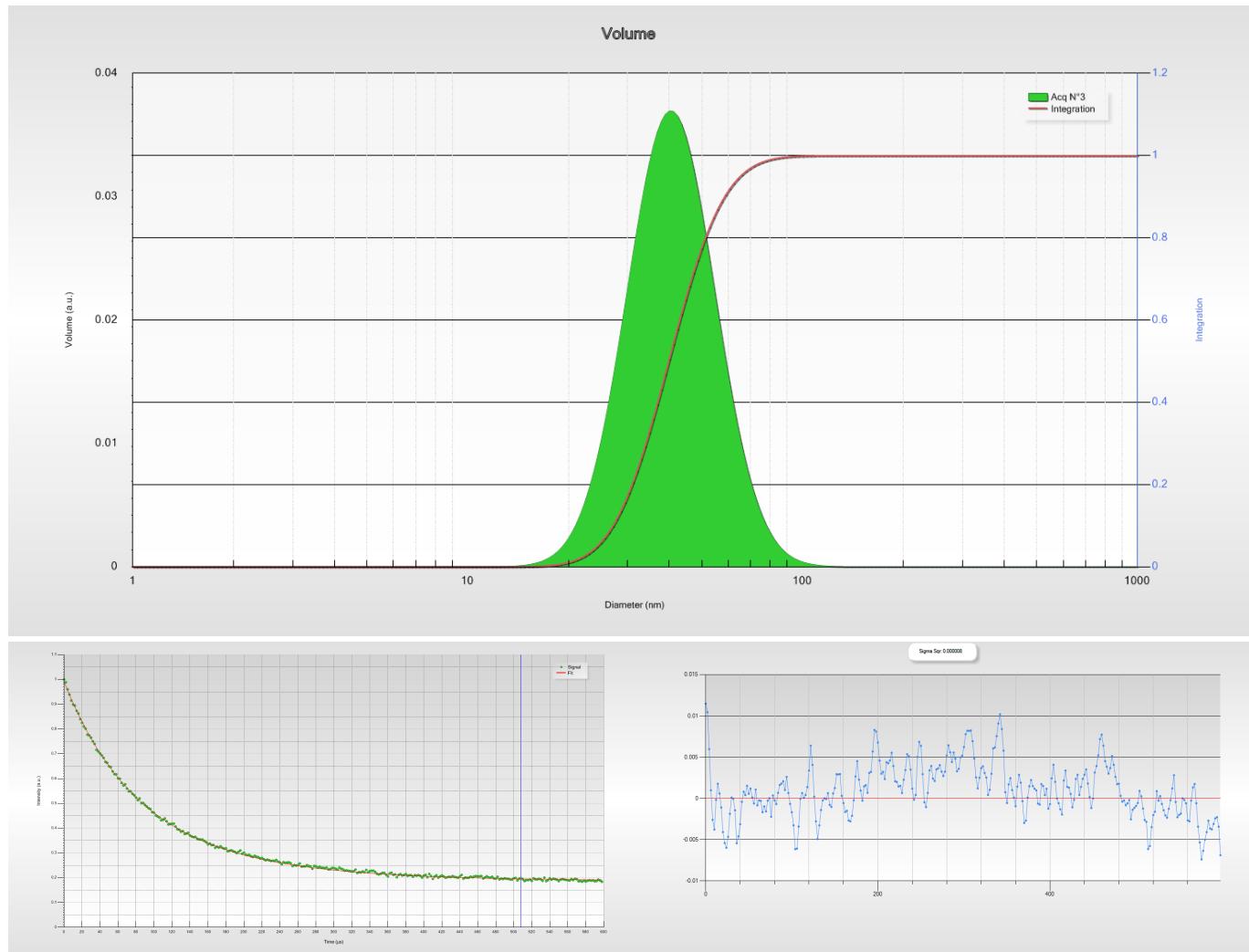


Distribution statistics

Dn 10%: 21.15 nm	Dn 50%: 31.19 nm	Dn 90%: 44.73 nm
Mean Number: 32.33 nm		
PDI : 0.3704		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

**Distribution statistics**

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

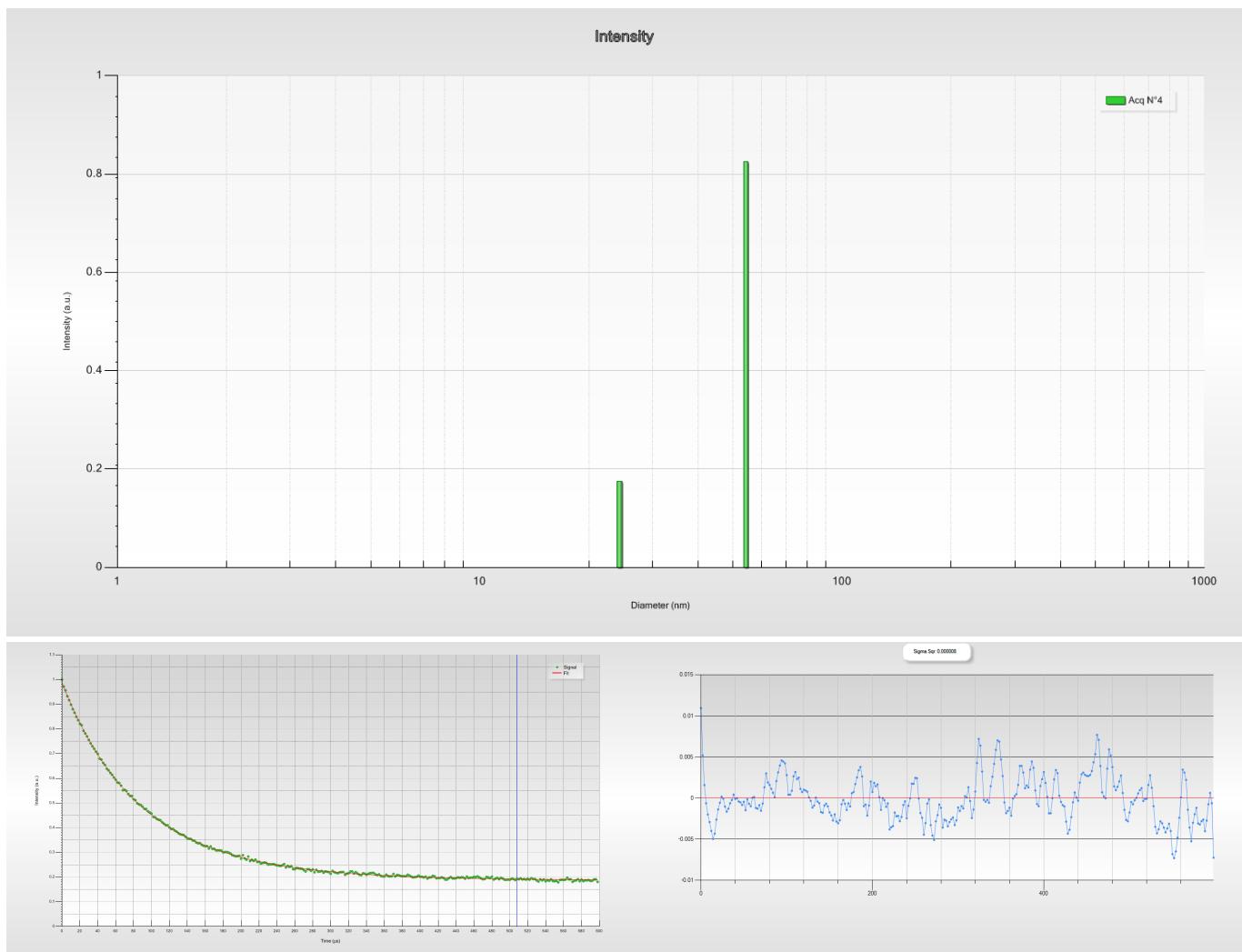
D_v 50%: 40.03 nm

D_v 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

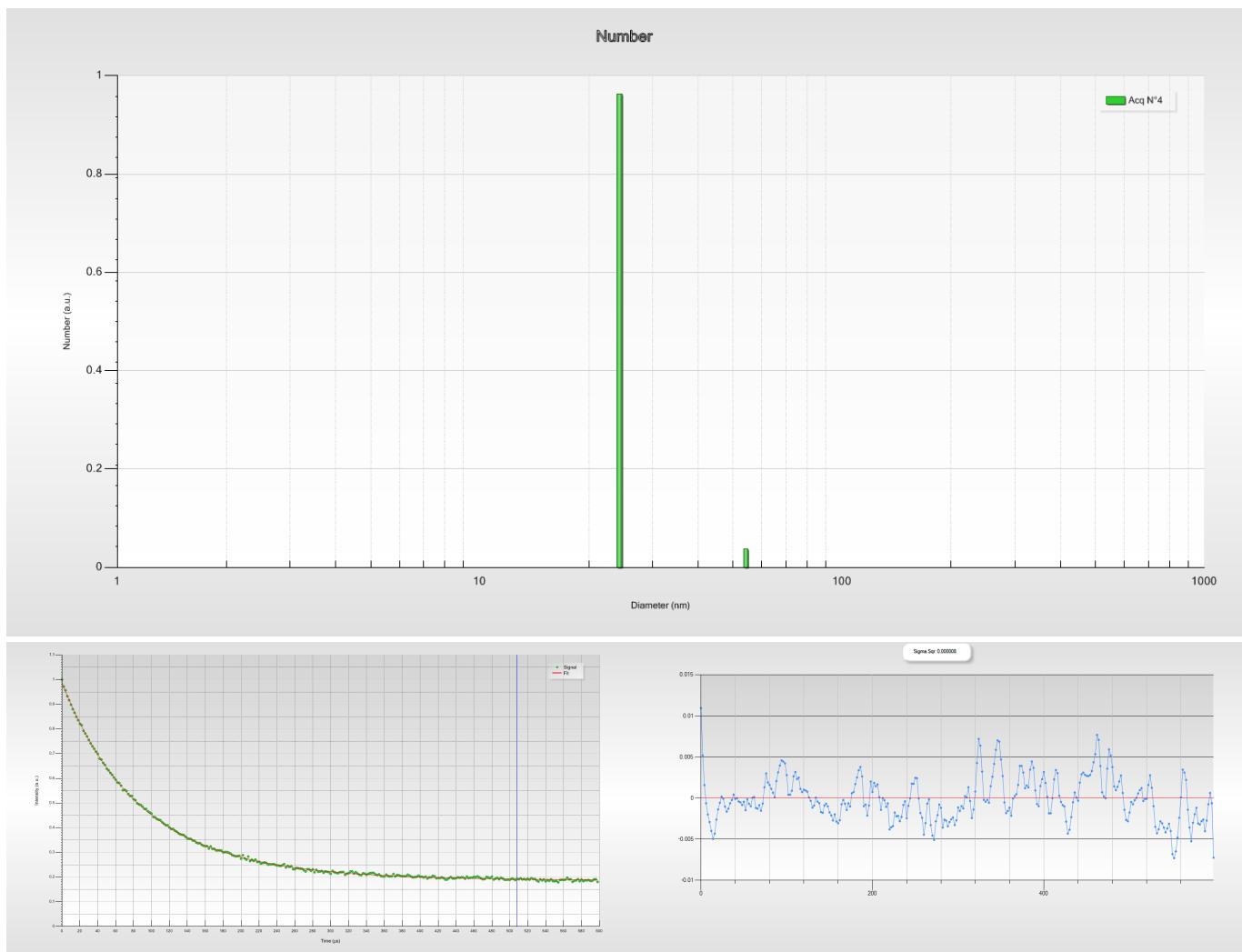
Di 90%: 54.32 nm

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 data

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



Dispersion statistics

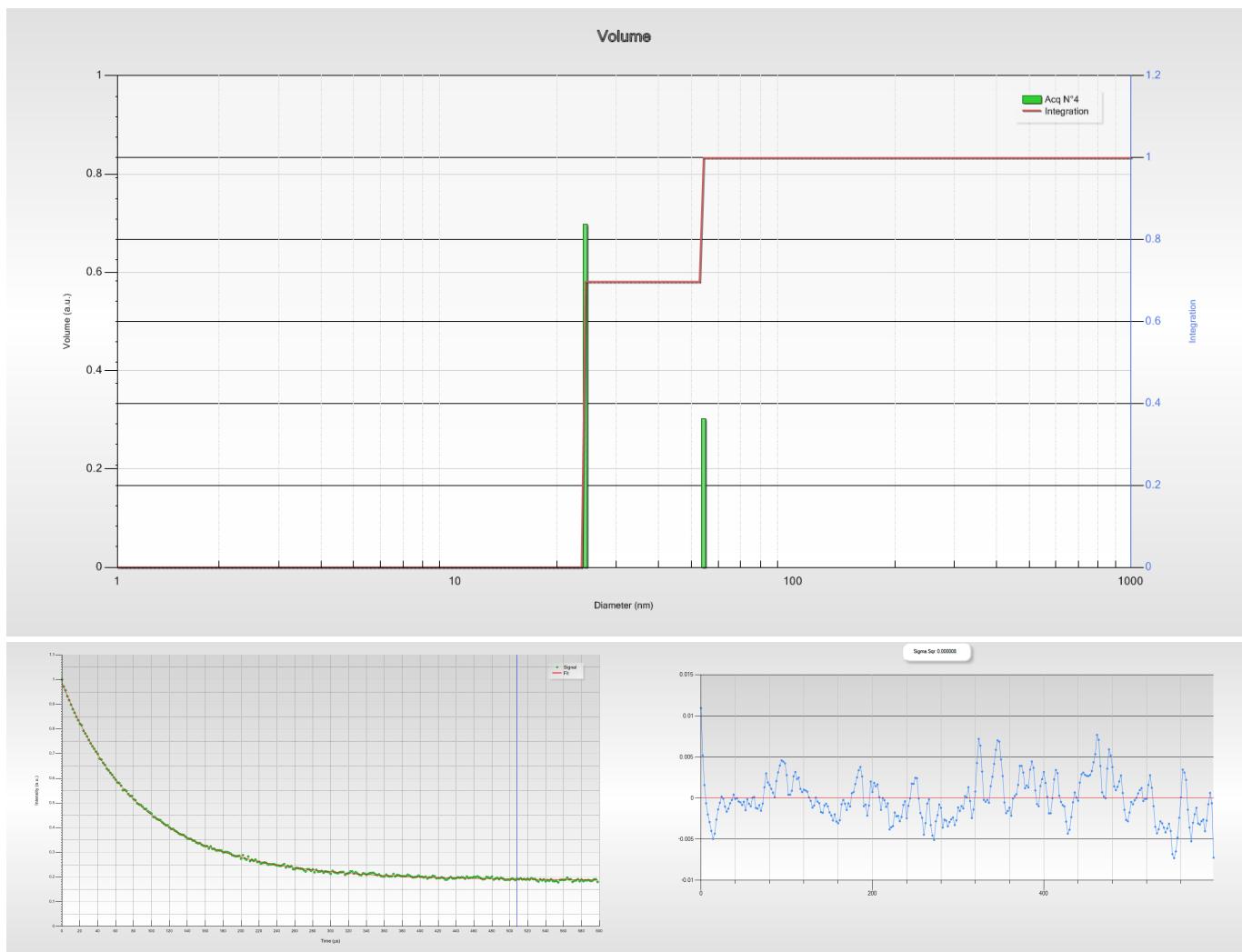
Dn 10%: 24.3 nm **Dn 50%:** 24.3 nm **Dn 90%:** 24.3 nm
Mean Number: 25.42 nm

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

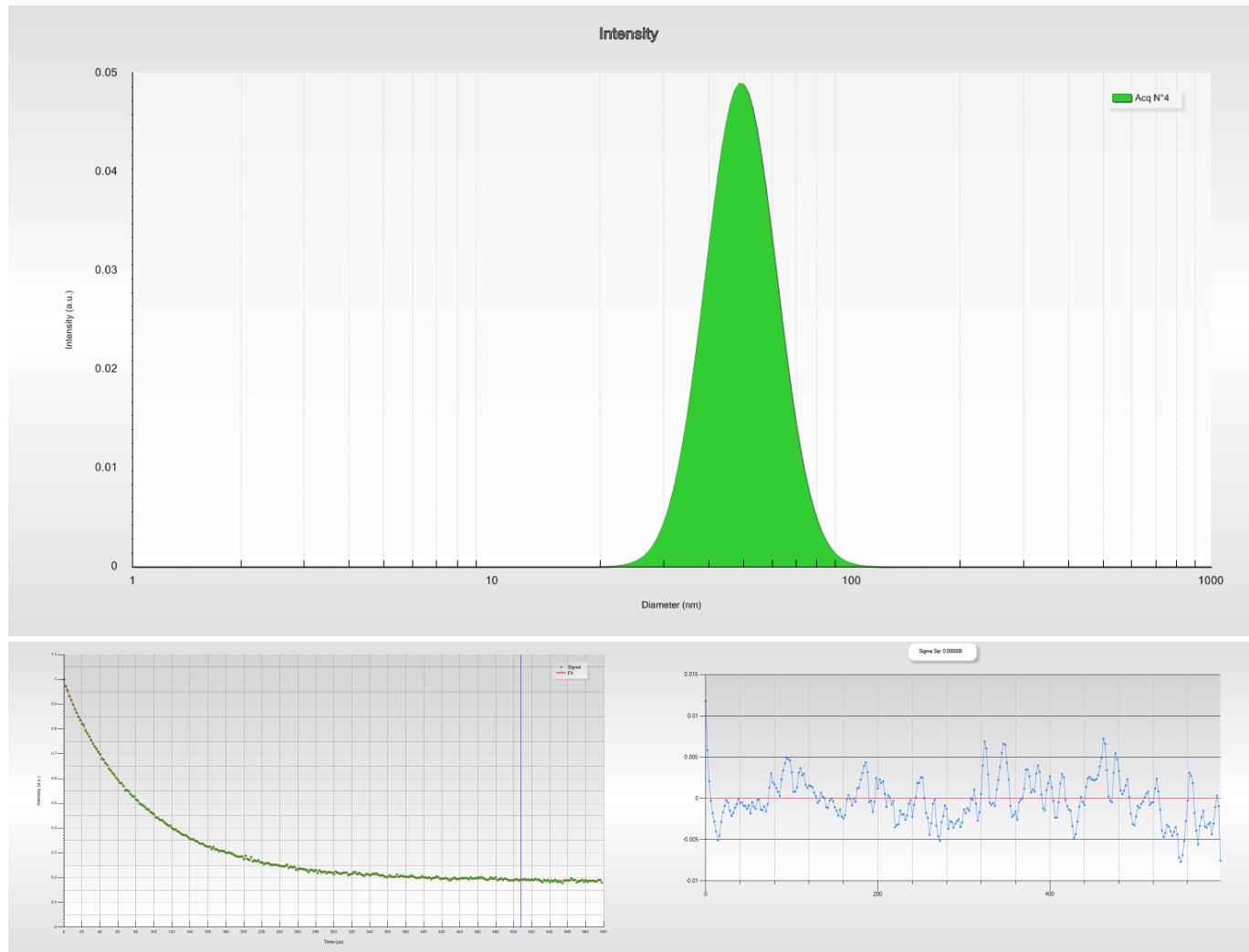
D_v 10%: 24.3 nm **D_v 50%:** 24.3 nm **D_v 90%:** 54.32 nm
Mean Volume: 33.39 nm

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 data

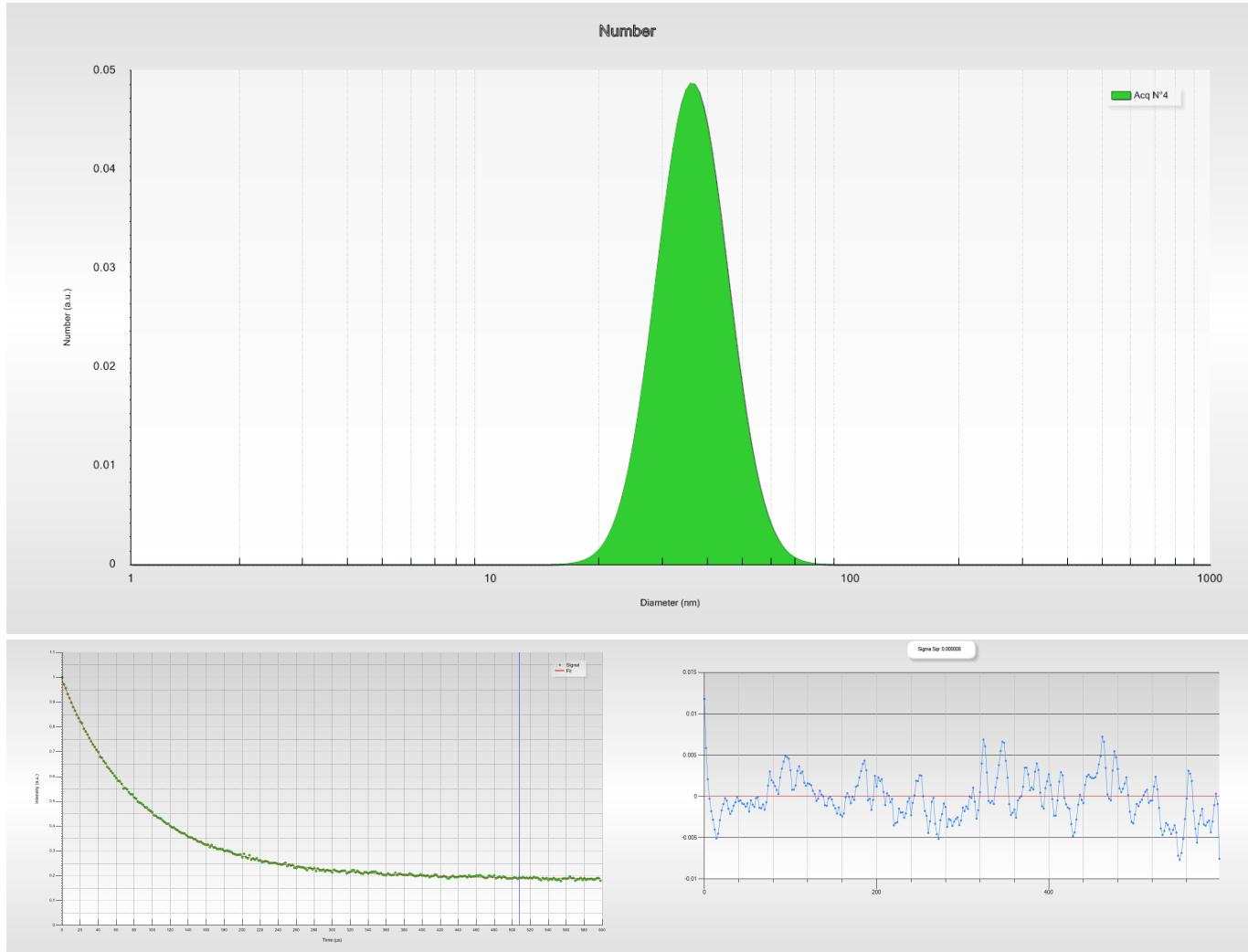
Size (nm)	Volume	Size (nm)	Volume
24.3	0.7	54.32	0.3

**Distribution statistics**

Di 10%: 36.84 nm **Di 50%:** 48.61 nm **Di 90%:** 65.96 nm
Mean Intensity: 50.4 nm **Std Dev:** 22.85%
PDI : 0.20892

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.51	0.8	5708.51	10.79958E-012

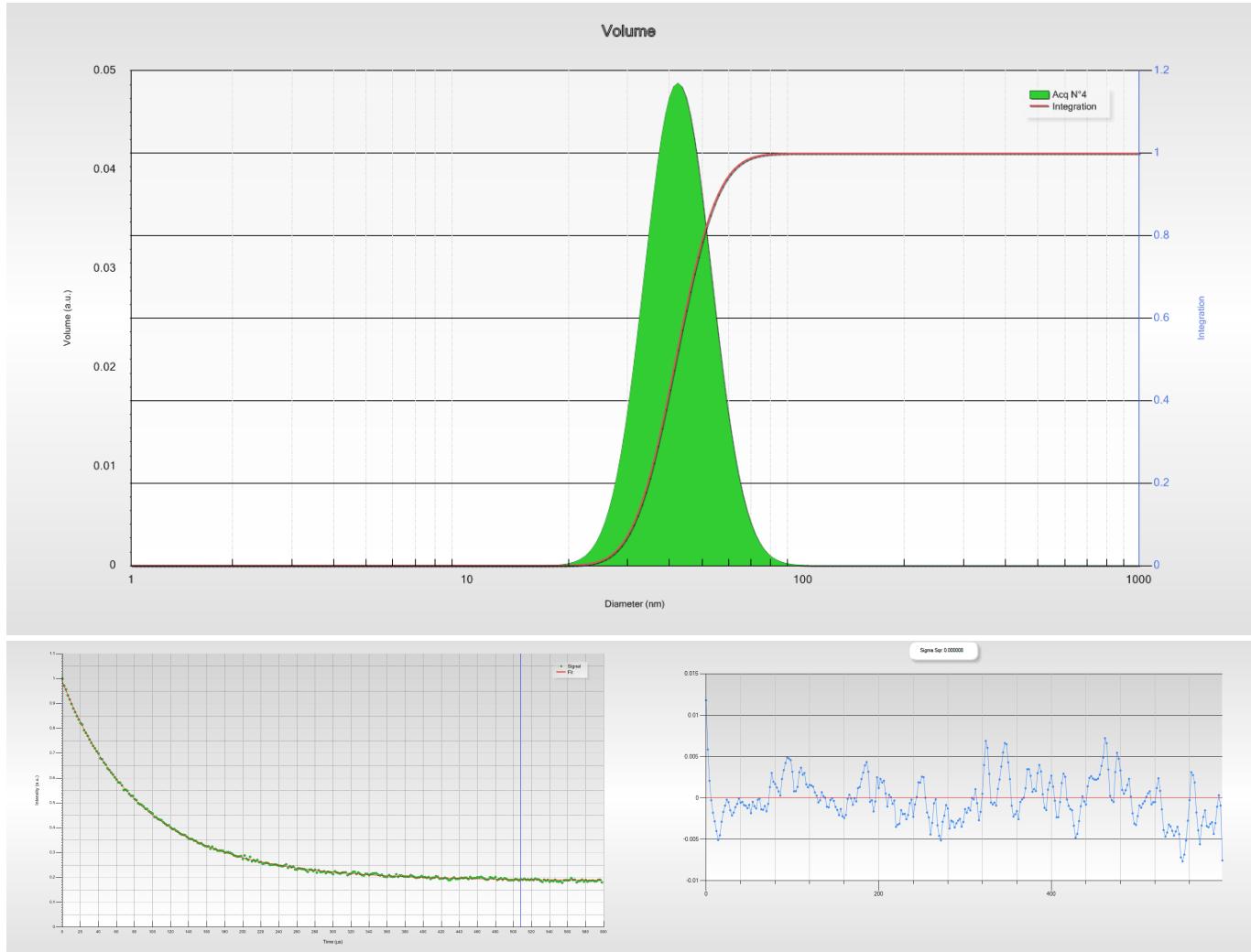


Distribution statistics

Dn 10%: 27.15 nm	Dn 50%: 35.83 nm	Dn 90%: 48.61 nm
Mean Number: 37.2 nm		
PDI : 0.20892		Std Dev: 22.85%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
45.51	0.8	5708.51	10.79958E-012

**Distribution statistics**

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

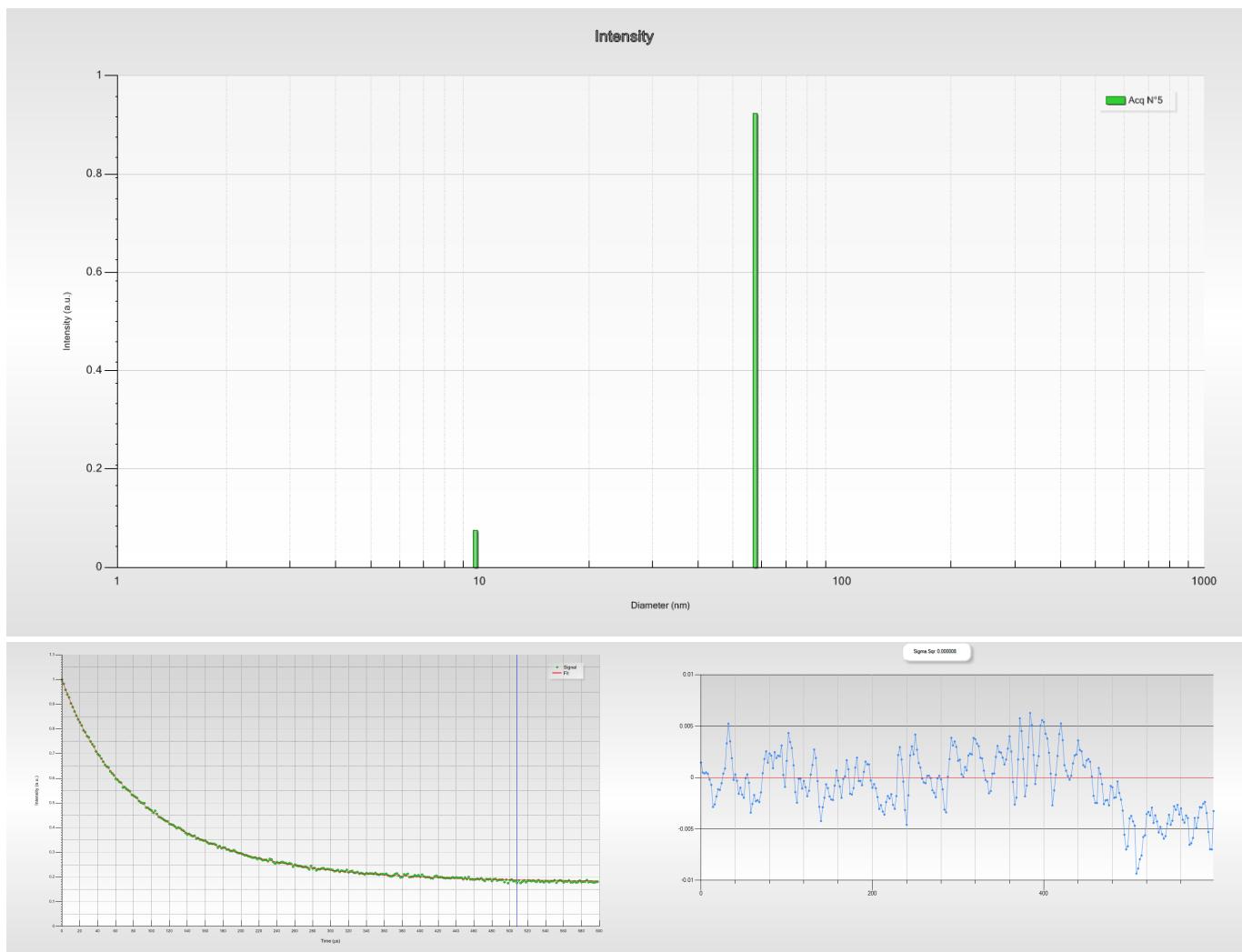
D_v 50%: 42.32 nm

D_v 90%: 55.85 nm

Std Dev: 22.85%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /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

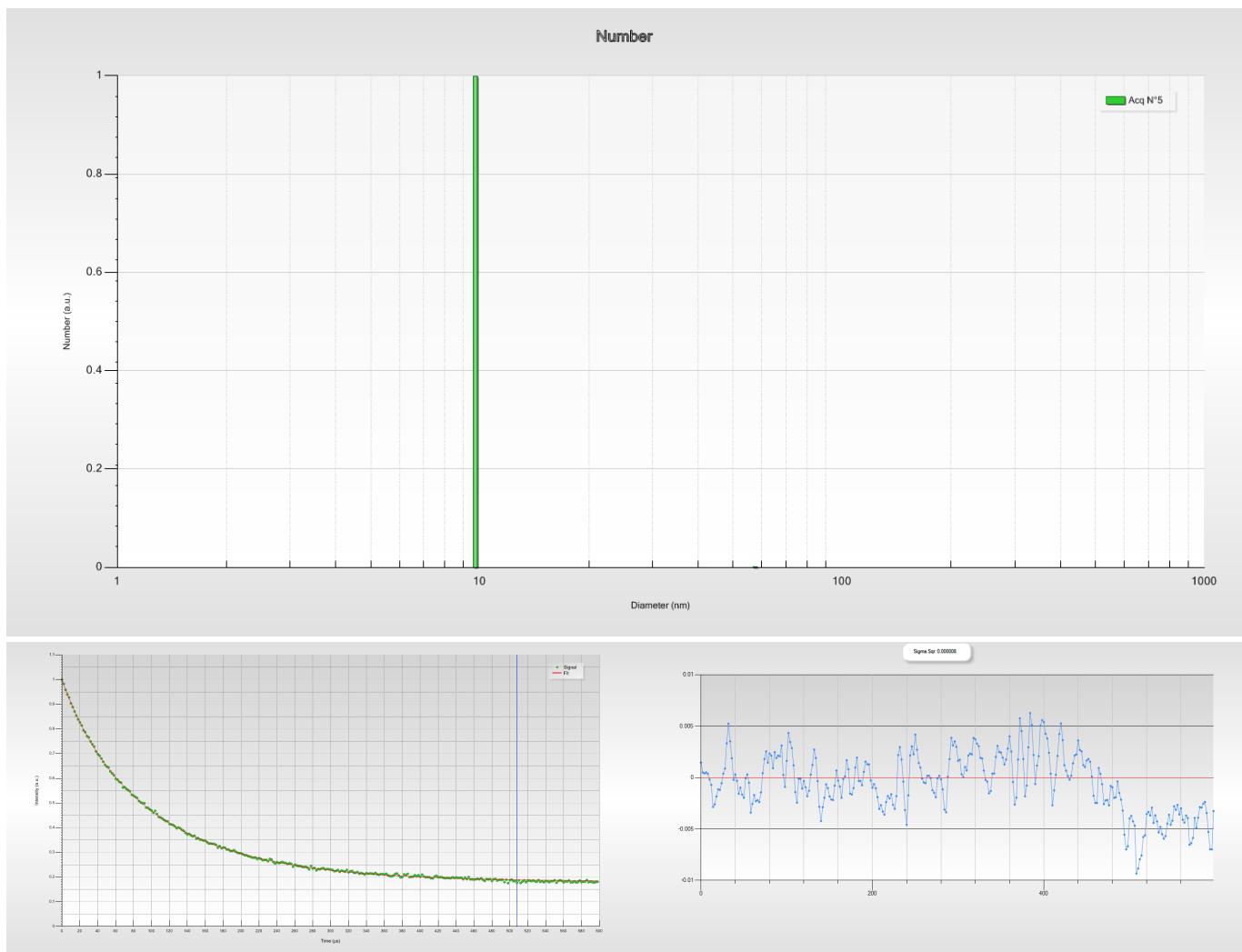
Di 90%: 57.42 nm

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 data

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

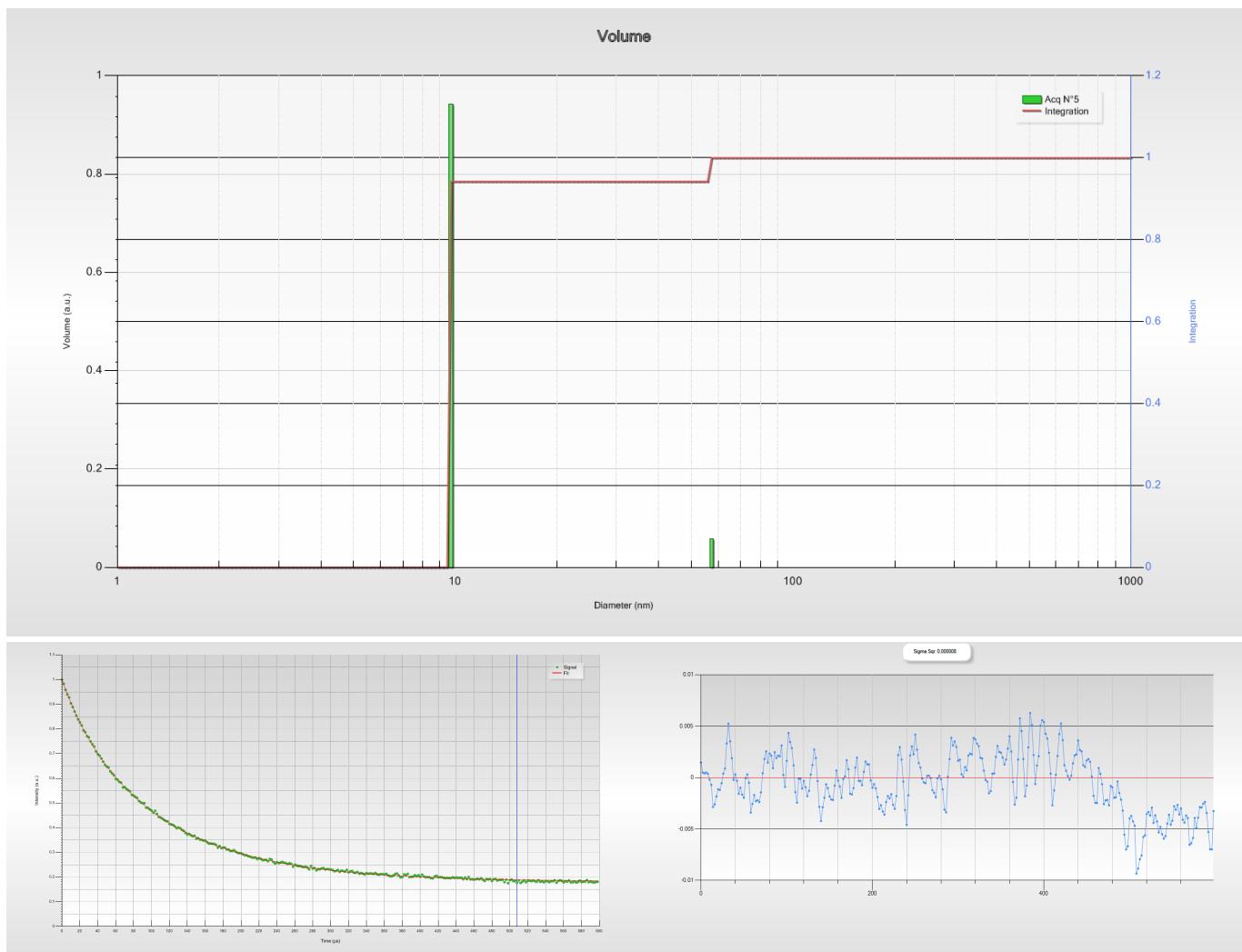
Dn 90%: 9.73 nm

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 data

Size (nm)	Number
9.73	1



Dispersion statistics

Dv 10%: 9.73 nm
Mean Volume: 12.48 nm

Dv 50%: 9.73 nm

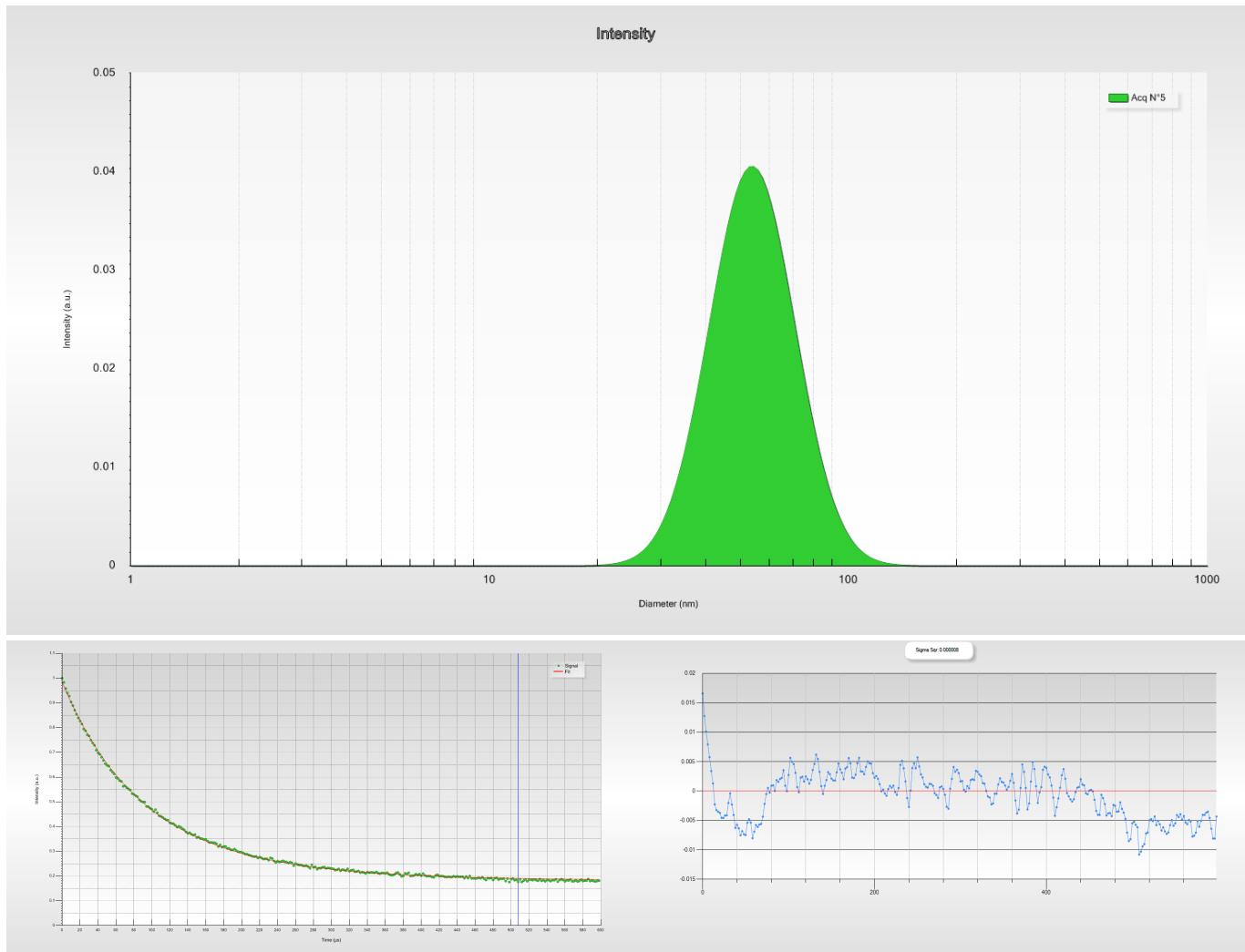
Dv 90%: 9.73 nm

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 data

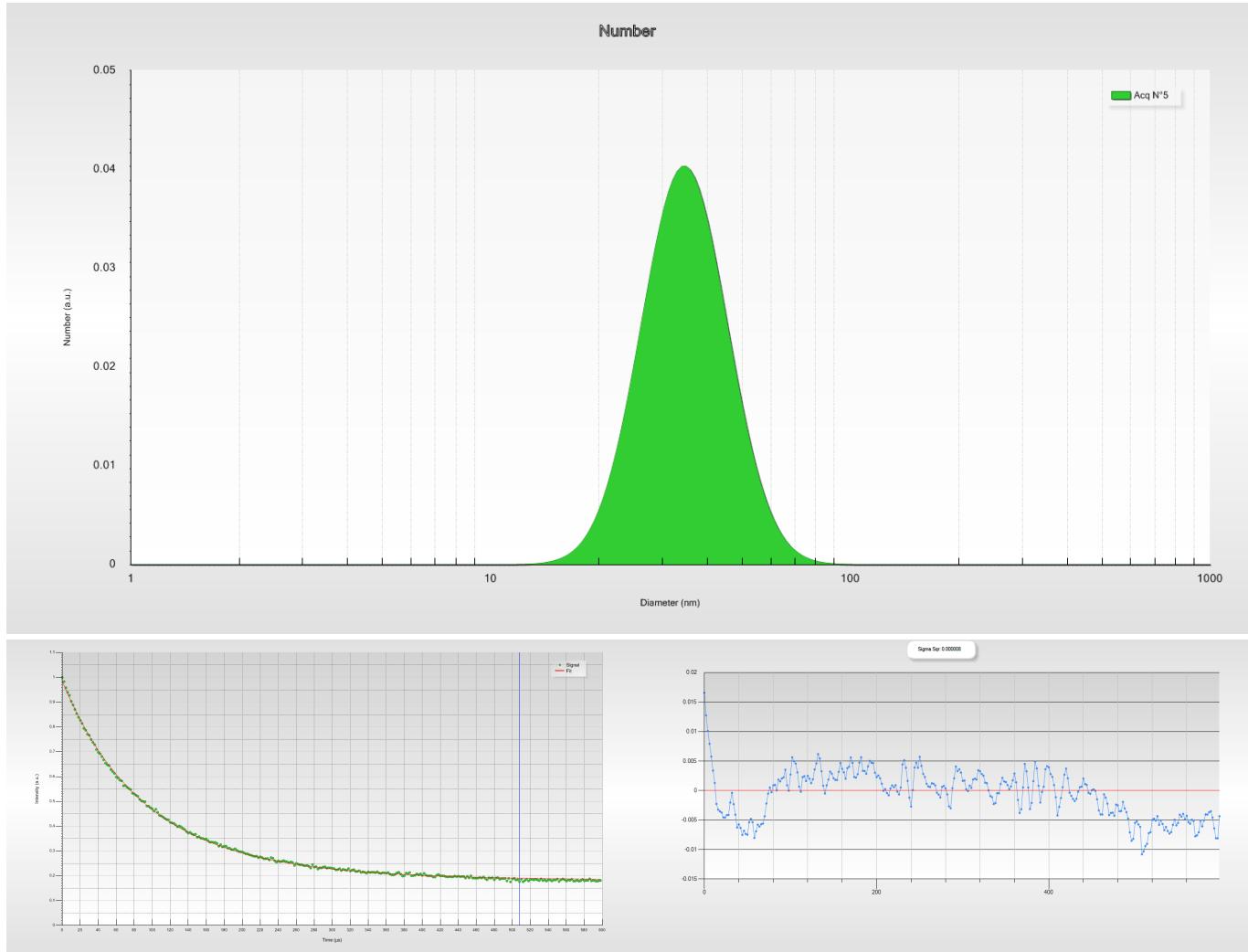
Size (nm)	Volume	Size (nm)	Volume
9.73	0.94	57.42	0.06

**Distribution statistics**

Di 10%: 37.87 nm **Di 50%:** 54.32 nm **Di 90%:** 75.77 nm
Mean Intensity: 55.83 nm **Std Dev:** 27.8%
PDI : 0.3091

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
48.1	0.8	5400.76	10.21737E-012

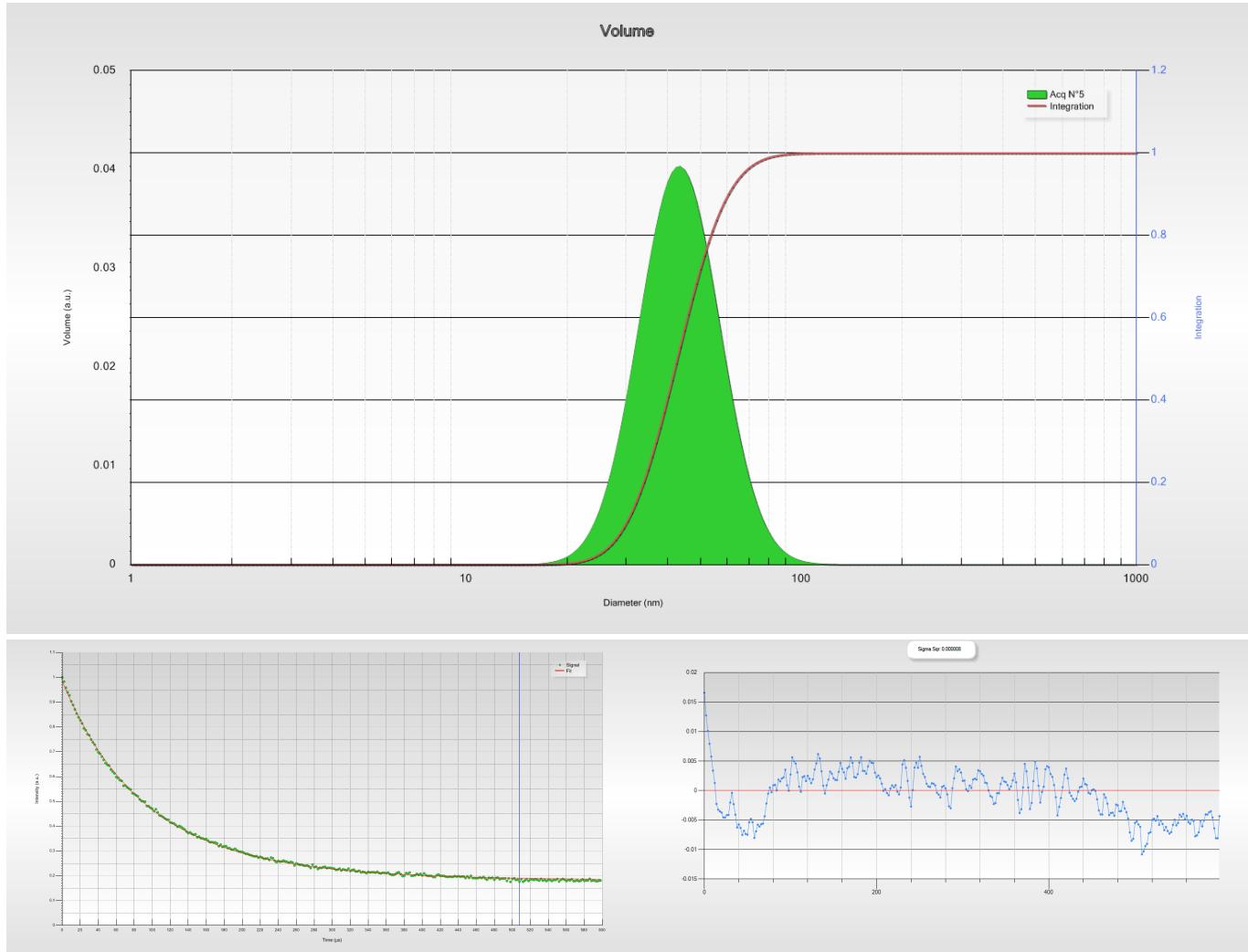


Distribution statistics

Dn 10%: 24.3 nm	Dn 50%: 34.85 nm	Dn 90%: 48.61 nm
Mean Number: 35.82 nm		
PDI : 0.3091		Std Dev: 27.8%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
48.1	0.8	5400.76	10.21737E-012

**Distribution statistics**

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

D_v 50%: 43.51 nm

D_v 90%: 60.69 nm

Std Dev: 27.8%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
48.1	0.8	5400.76	10.21737E-012