

Sample

Name : RE-As-6
Mesured On : 07.05.2019 16:21
by : DefaultExpert **logged as** : Expert
Comments from DefaultExpert :

SOP

Name : Particle Size Lab Water
Mode : Continuous.
Temperature : 25 °C

Device Settings

Time interval	: 10 μ s	Number of channels	: 500
Laser power	: 54.8 %	Wavelength	: 657 nm
DTC Position	: UP	Angle	: 135°

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	SBL
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Measurement

Average count rate : 2004 kcps **Duration** : 00:00:53



Dispersion statistics

Di 10%: 623.99 nm
Mean Intensity: 587.28 nm

Di 50%: 623.99 nm

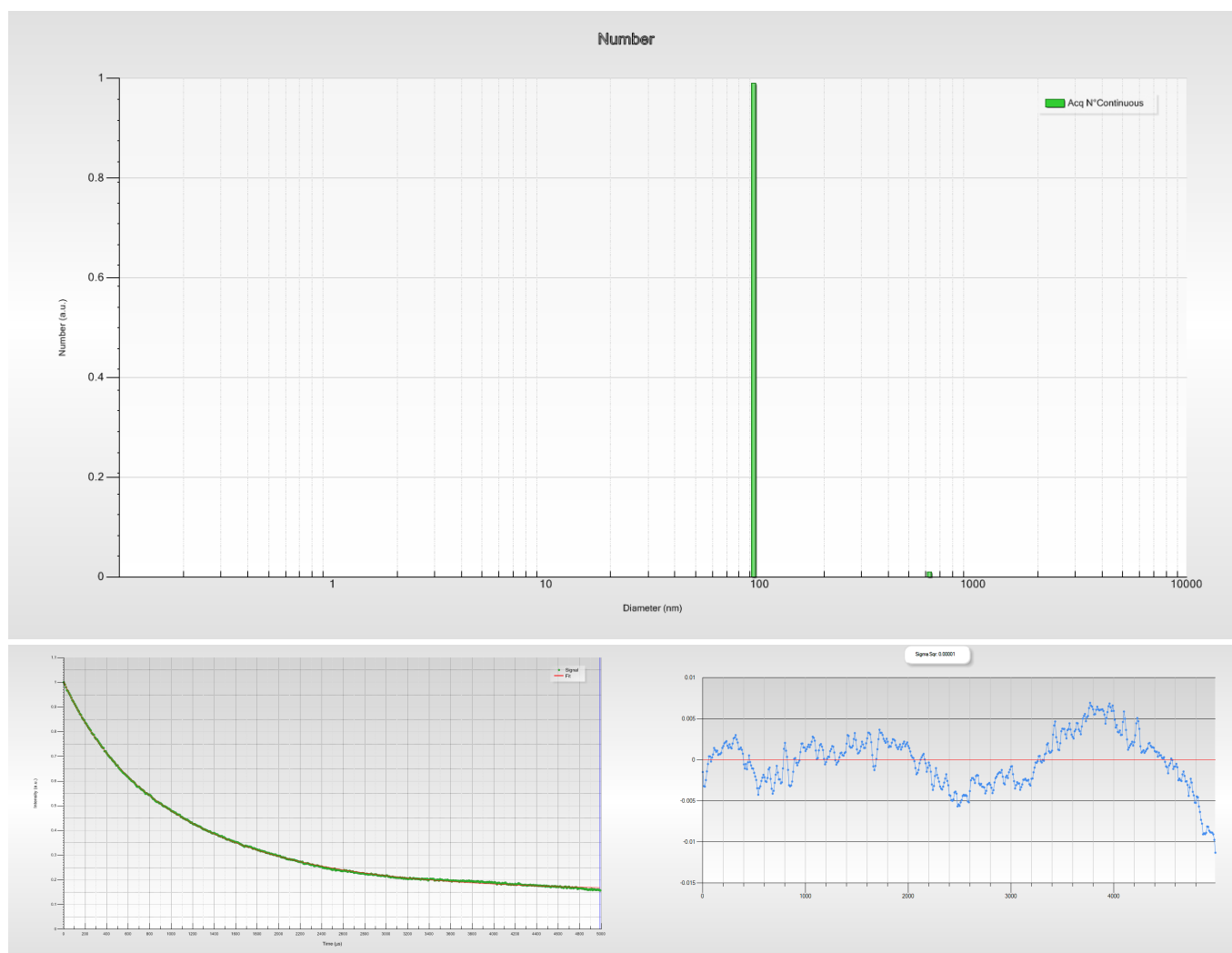
Di 90%: 623.99 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
95.61	0.06	2717.08	51.40282E-013
621.65	0.86	417.9	79.05949E-014

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
93.73	0.07	623.99	0.93



Dispersion statistics

Dn 10%: 93.73 nm
Mean Number: 98.98 nm

Dn 50%: 93.73 nm

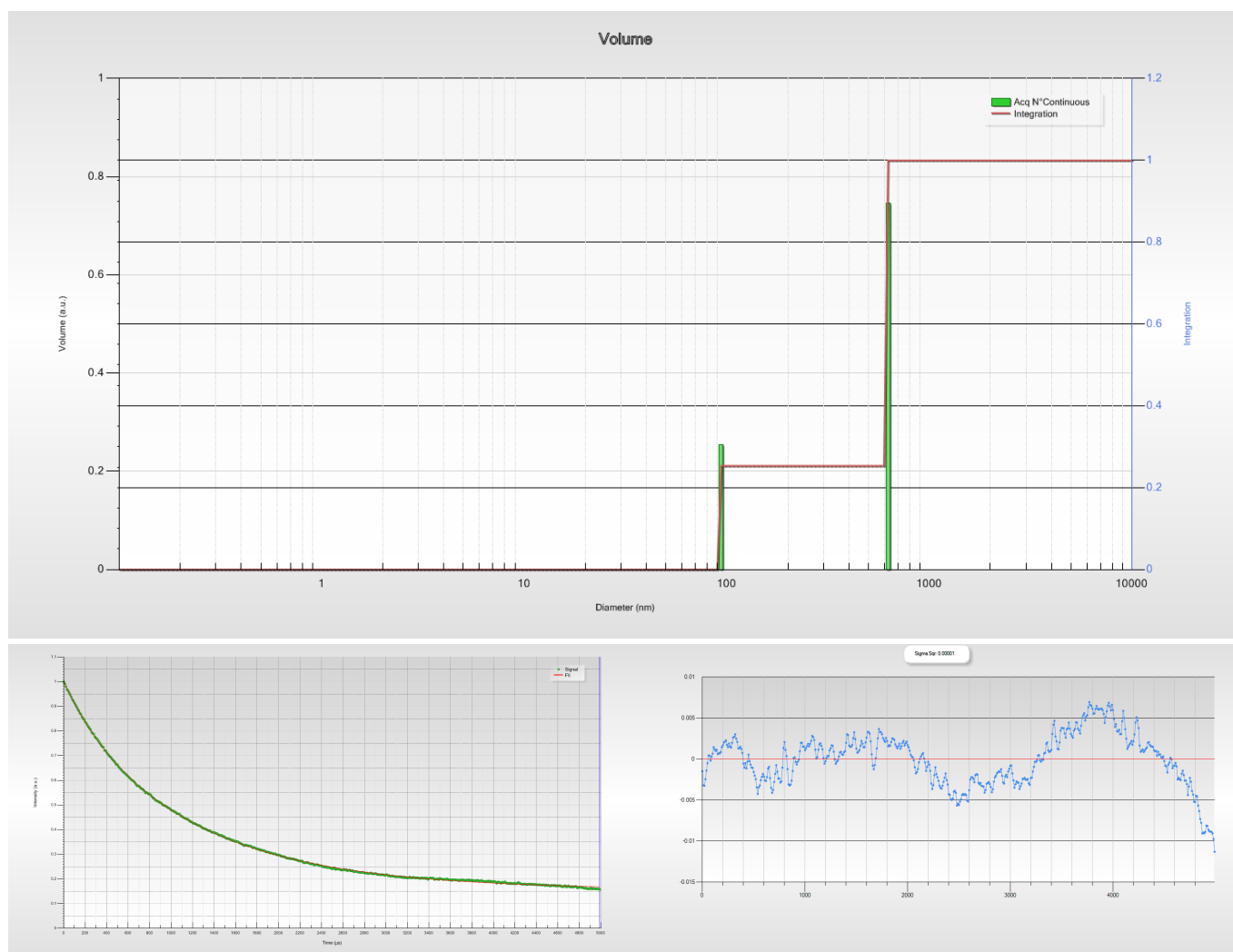
Dn 90%: 93.73 nm

Detected size(s)

Size (nm)	Number	Decay Rate	Diffusion Coeff. (m ² /s)
95.61	1	2717.08	51.40282E-013

Dispersion datas

Size (nm)	Number	Size (nm)	Number
93.73	0.99	623.99	0.01



Dispersion statistics

Dv 10%: 93.73 nm

Dv 50%: 623.99 nm

Dv 90%: 623.99 nm

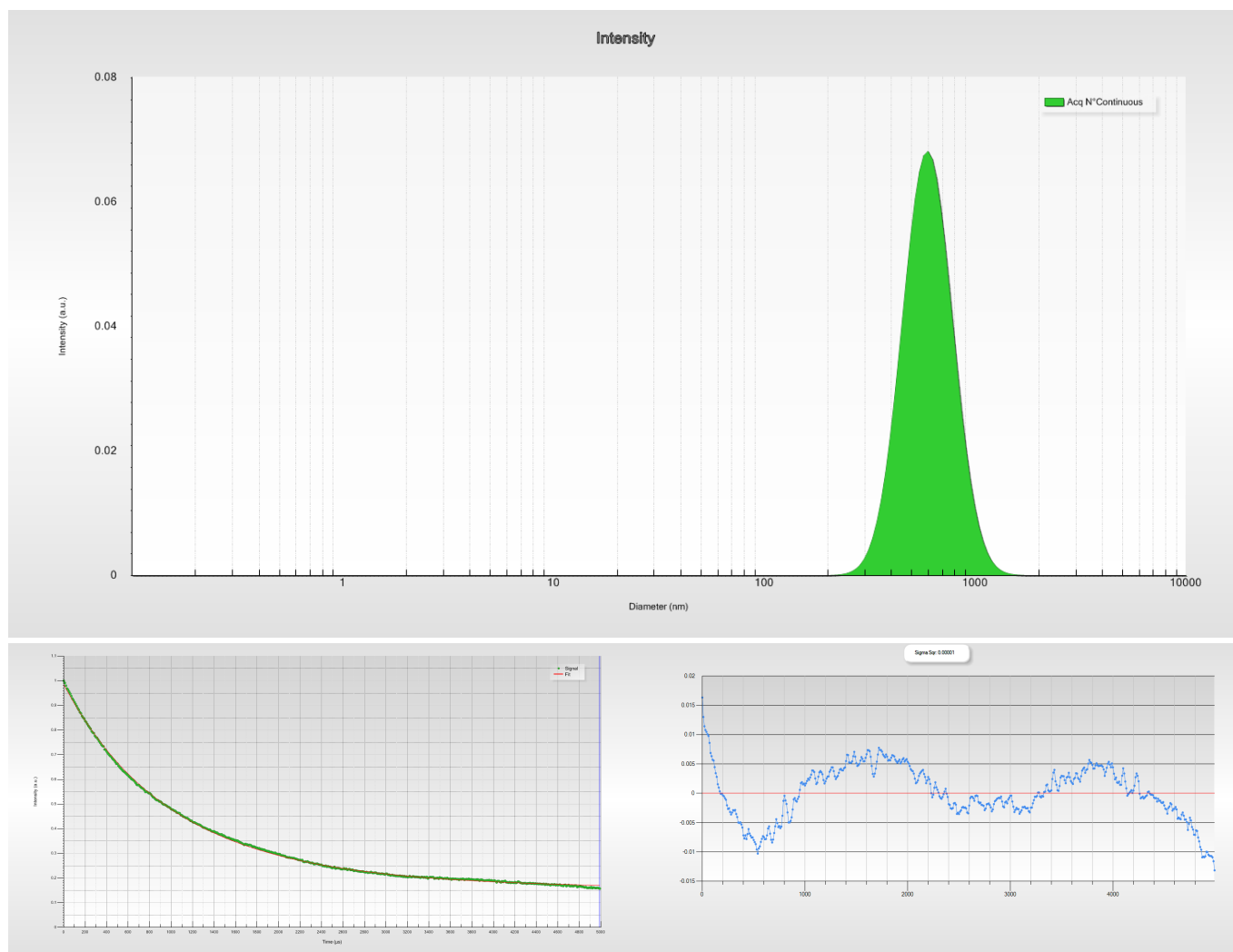
Mean Volume: 489.67 nm

Detected size(s)

Size (nm)	Volume	Decay Rate	Diffusion Coeff. (m ² /s)
95.61	0.25	2717.08	51.40282E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
93.73	0.25	623.99	0.75

**Distribution statistics**

Di 10%: 411.58 nm
Mean Intensity: 613.83 nm
PDI : 0.30384

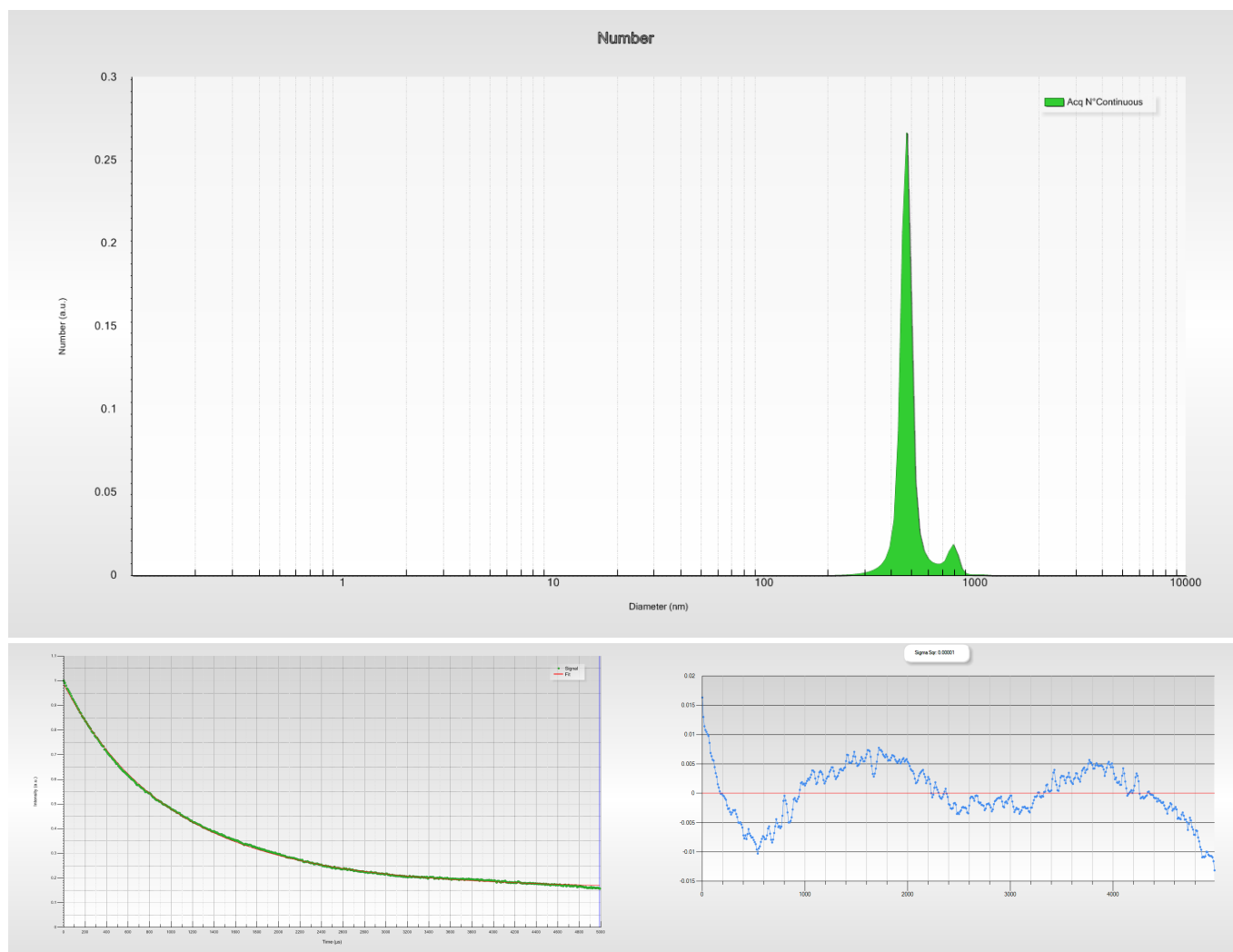
Di 50%: 595.8 nm

Di 90%: 823.5 nm

Std Dev: 27.56%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
530.11	0.83	490.06	92.71191E-014



Distribution statistics

Dn 10%: 431.06 nm
Mean Number: 492.02 nm
PDI : 0.30384

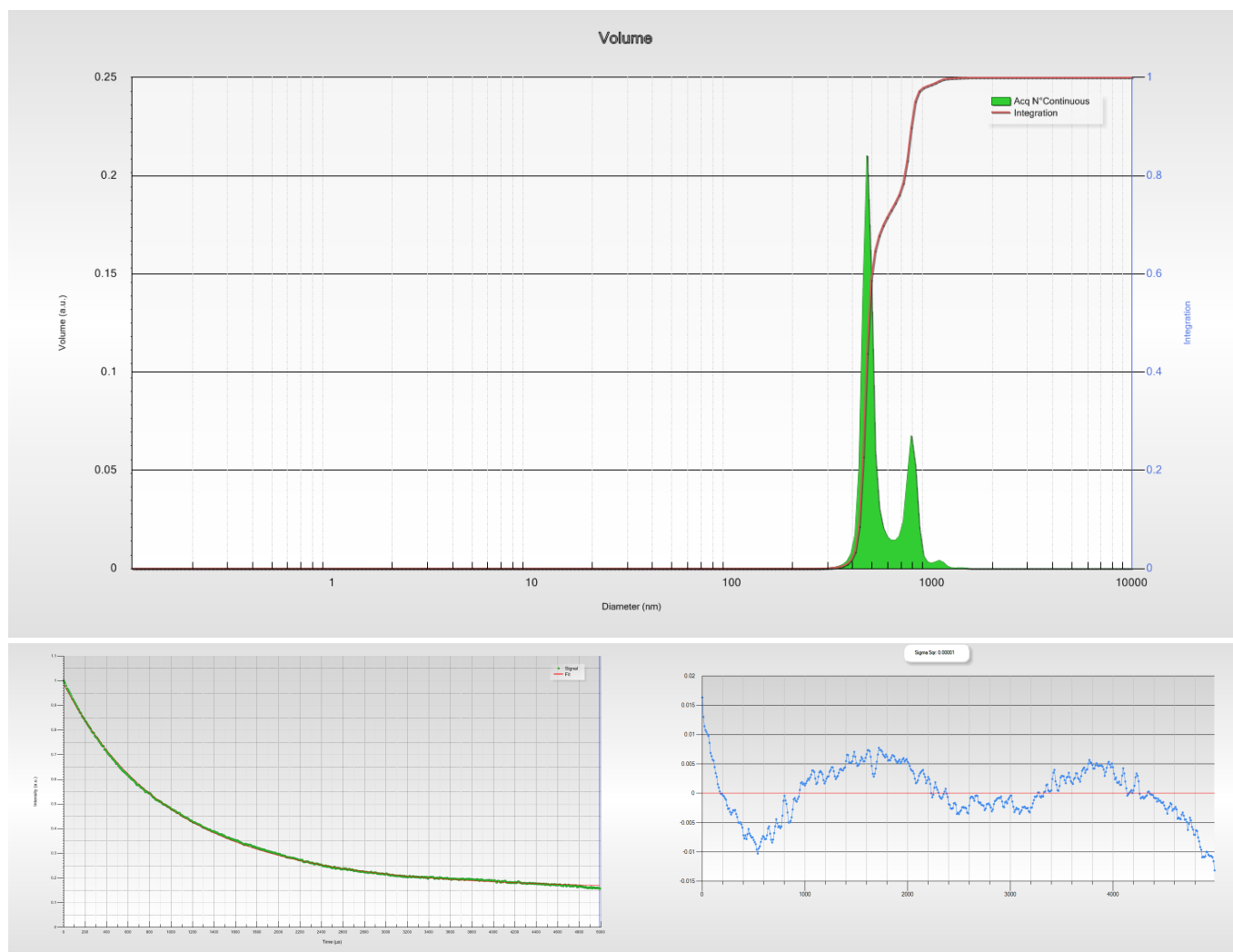
Dn 50%: 472.82 nm

Dn 90%: 568.88 nm

Std Dev: 27.56%

Detected size(s)

Z average (nm)	Number	Decay Rate	Diffusion Coeff. (m ² /s)
530.11	1	490.06	92.71191E-014

**Distribution statistics**

Dv 10%: 451.46 nm
Mean Volume: 567.41 nm
PDI : 0.30384

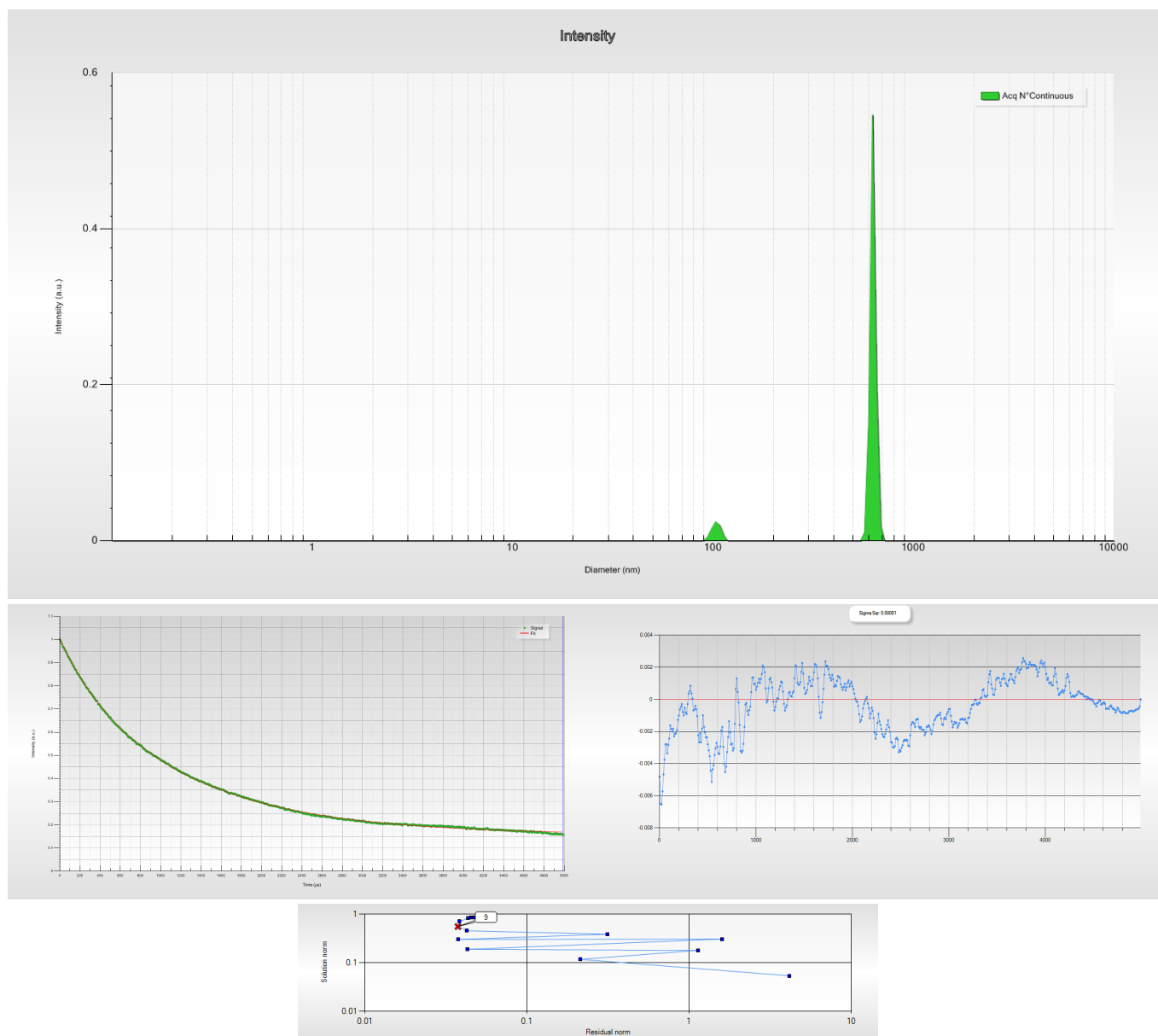
Dv 50%: 495.2 nm

Dv 90%: 823.5 nm

Std Dev: 27.56%

Detected size(s)

Z average (nm)	Volume	Decay Rate	Diffusion Coeff. (m ² /s)
530.11	1	490.06	92.71191E-014



Distribution statistics

Di 10%: 595.8 nm

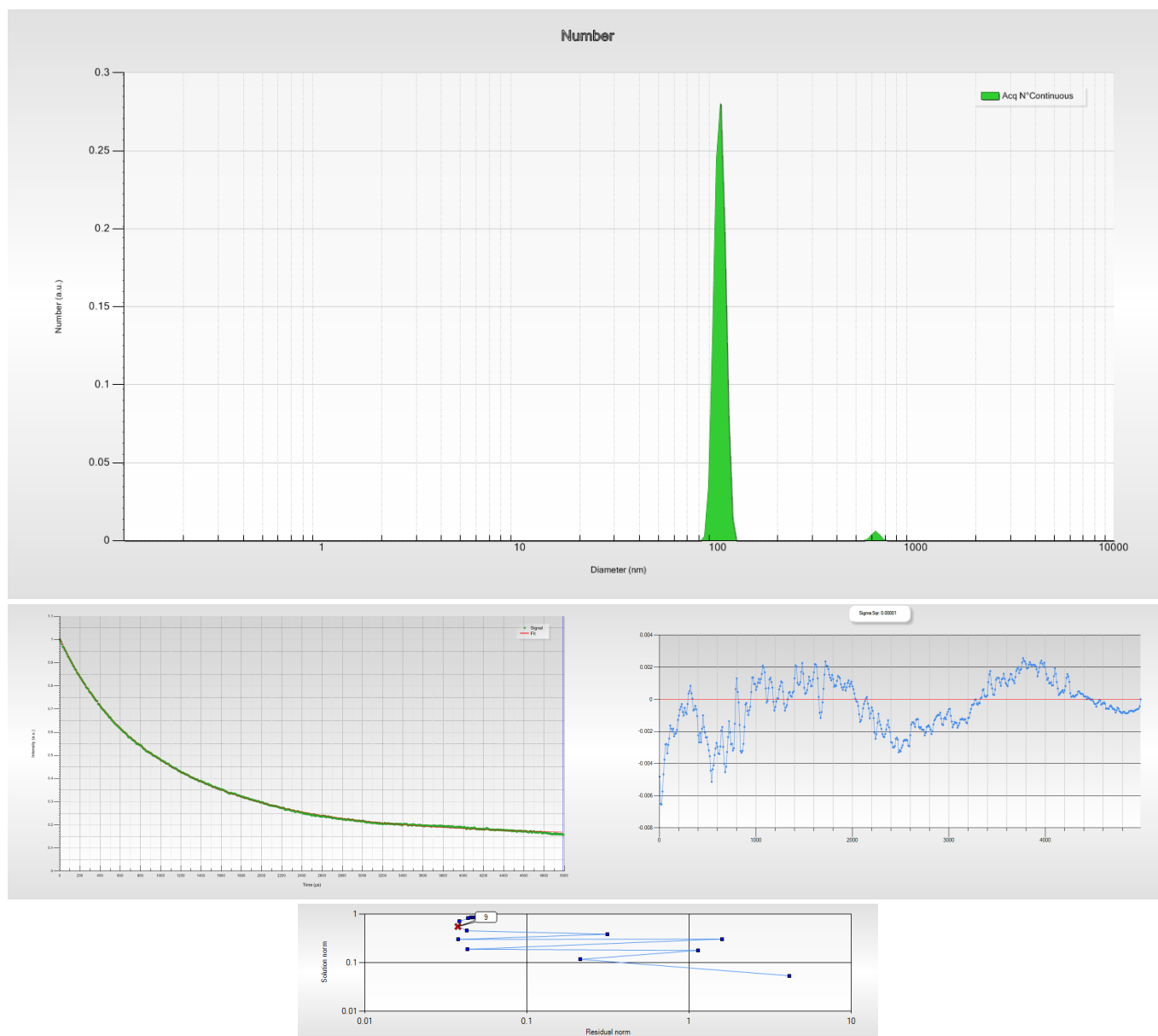
Di 50%: 623.99 nm

Di 90%: 653.52 nm

Mean Intensity: 587.96 nm

Solution index: 9

Peak : 1	Mode: 623.99 nm	Mean: 626.75 nm	Dev.: 5.01 %	Intensity.: 92.67 %
Peak : 2	Mode: 102.81 nm	Mean: 103.55 nm	Dev.: 6.33 %	Intensity.: 7.33 %



Distribution statistics

Dn 10%: 93.73 nm

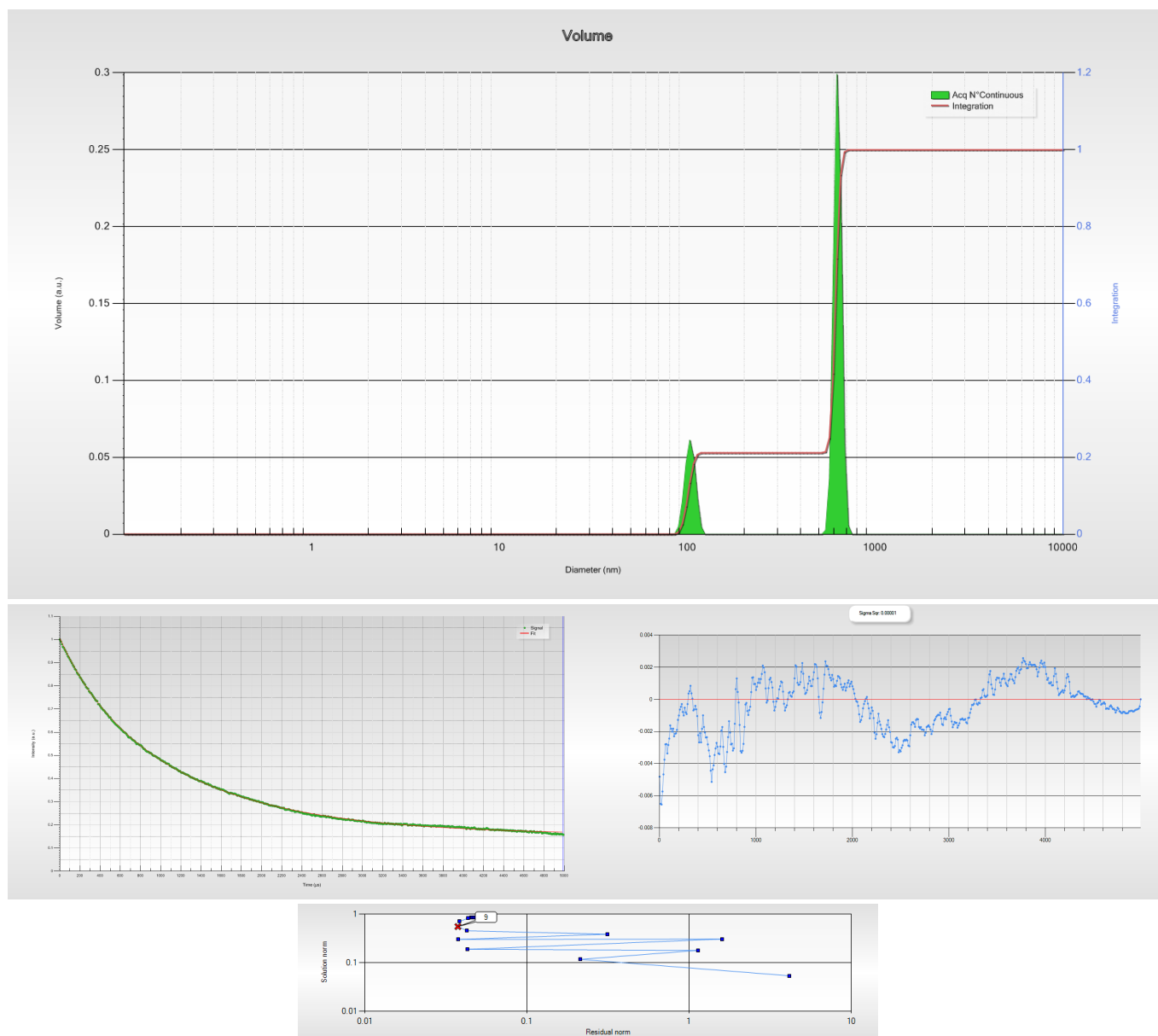
Dn 50%: 102.81 nm

Dn 90%: 112.77 nm

Mean Number: 110.34 nm

Solution index: 9

Peak : 1	Mode: 102.81 nm	Mean: 102.05 nm	Dev.: 7.19 %	Intensity.: 98.4 %
Peak : 2	Mode: 623.99 nm	Mean: 624.79 nm	Dev.: 6.06 %	Intensity.: 1.6 %



Distribution statistics

Dv 10%: 102.81 nm

Dv 50%: 623.99 nm

Dv 90%: 653.52 nm

Mean Volume: 517.2 nm

Solution index: 9

Peak : 1	Mode: 623.99 nm	Mean: 629 nm	Dev.: 6.06 %	Intensity.: 78.81 %
Peak : 2	Mode: 102.81 nm	Mean: 103.2 nm	Dev.: 7.16 %	Intensity.: 21.19 %