

Sample

Name : GNP29.2.16_2.5
Mesured On : 29.02.2016 12:27
by : Hannelore **logged as** : Expert
Comments from Hannelore :

SOP

Name : defaultSOP
Mode : Statistical **Acquisitions** : 5
Time limitation : 60 s
Noise limitation : 1 %
Temperature : 25 °C

Device Settings

Time interval	: 1 μ s	Number of channels	: 300
Laser power	: 100 %	Wavelength	: 657 nm
DTC Position	: UP		

Liquid Medium

Refractive index	: 1.331	Viscosity	: 0.888 cP
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Particles

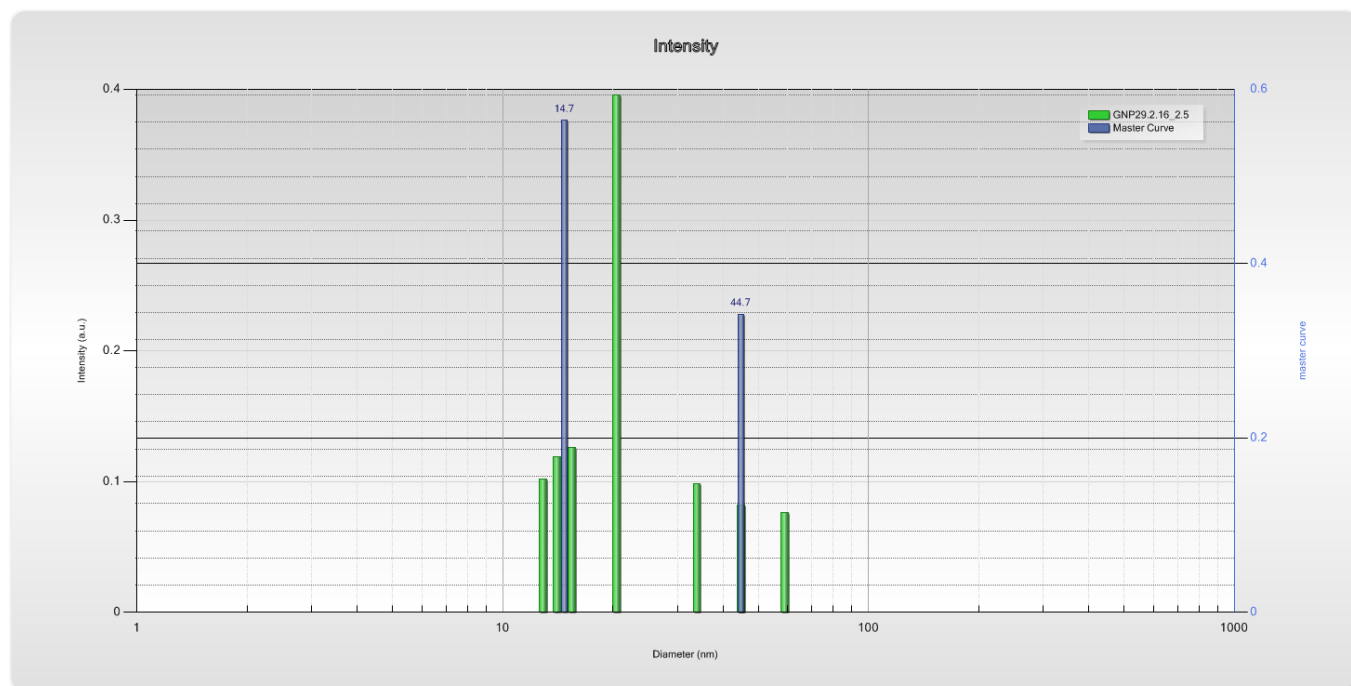
Real part	: 1.56	Imaginary part	: 0.01
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Algorithm

Pade Laplace	Cumulants	SBL
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Measurement

Average count rate : 2548 kcps
Number of rejected : 0
Duration : 00:05:23
Number of modified : 1

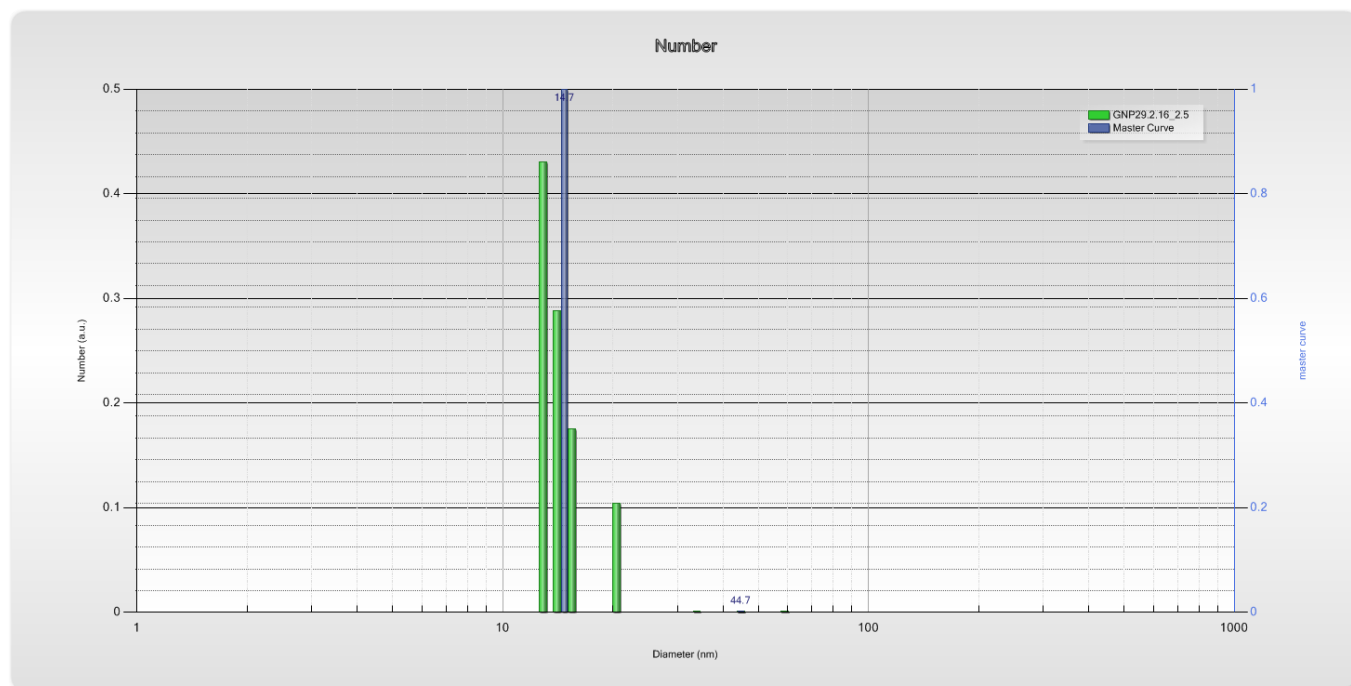


Dispersion statistics

Di 10%: 12.84 nm

Di 50%: 20.38 nm

Di 90%: 44.73 nm

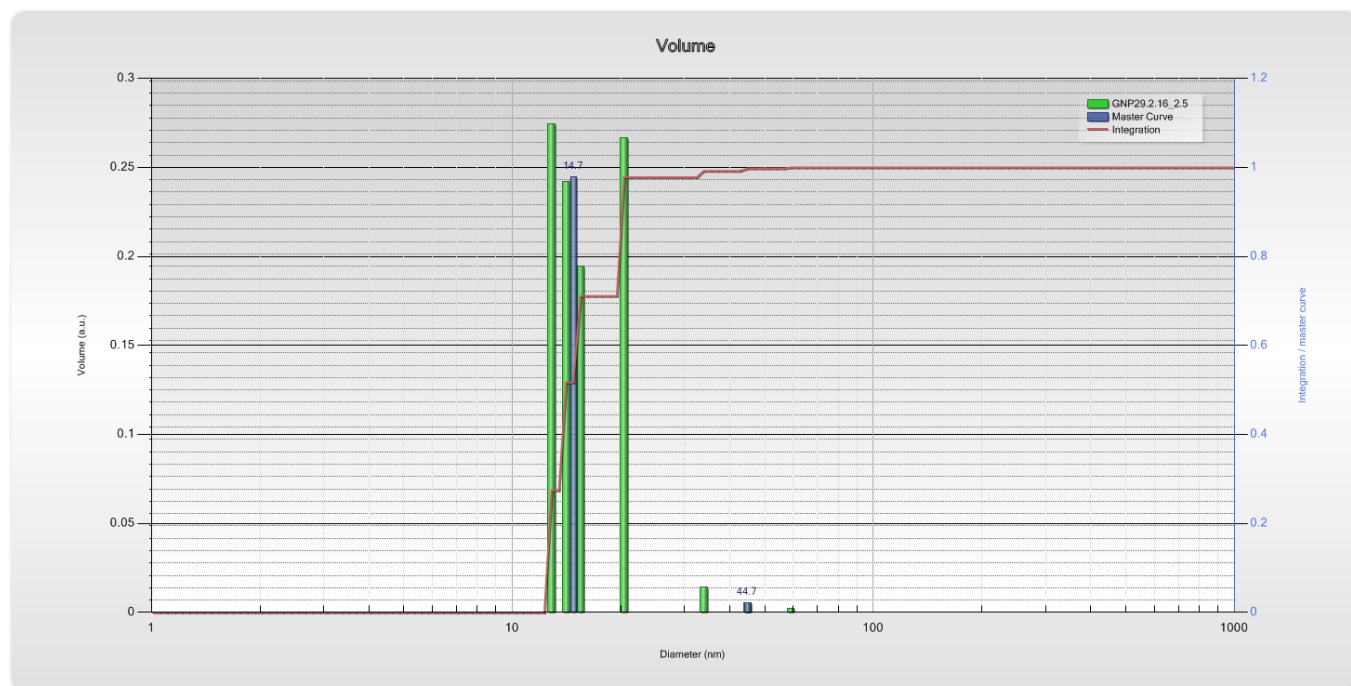


Dispersion statistics

Dn 10%: 12.84 nm

Dn 50%: 14.08 nm

Dn 90%: 20.38 nm

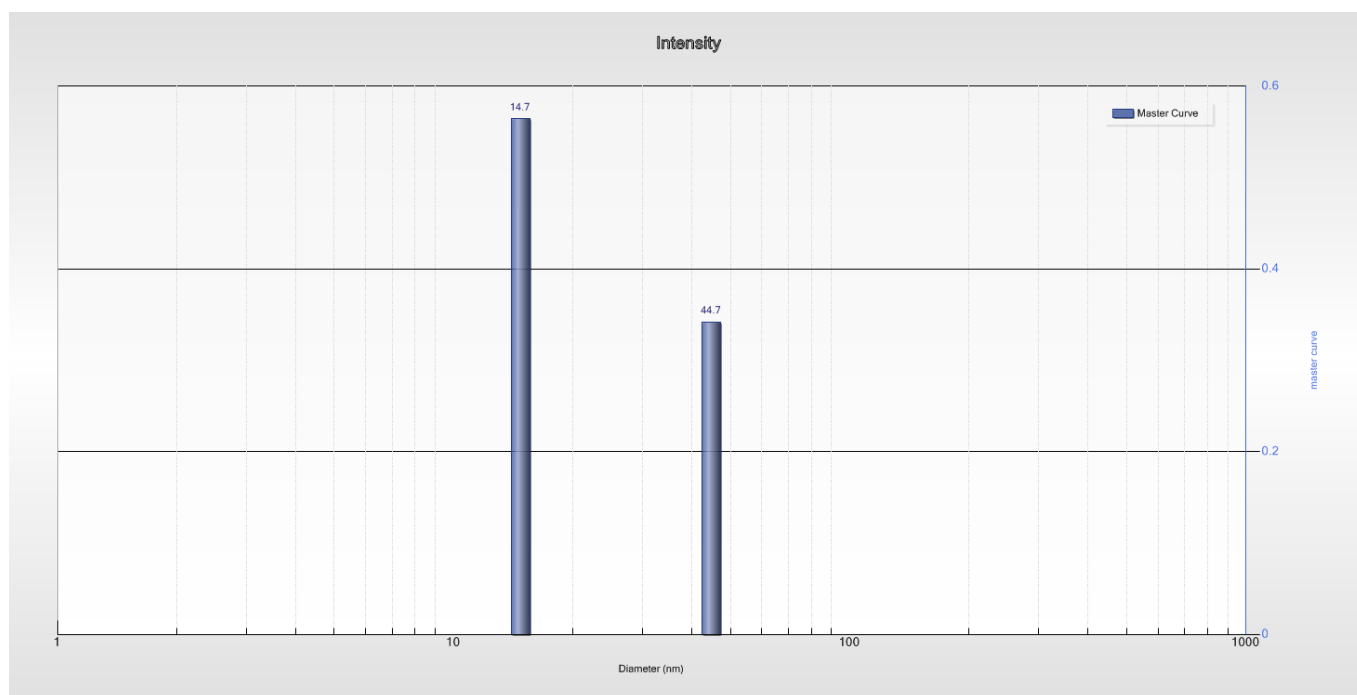


Dispersion statistics

Dv 10%: 12.84 nm

Dv 50%: 14.08 nm

Dv 90%: 20.38 nm



Dispersion statistics

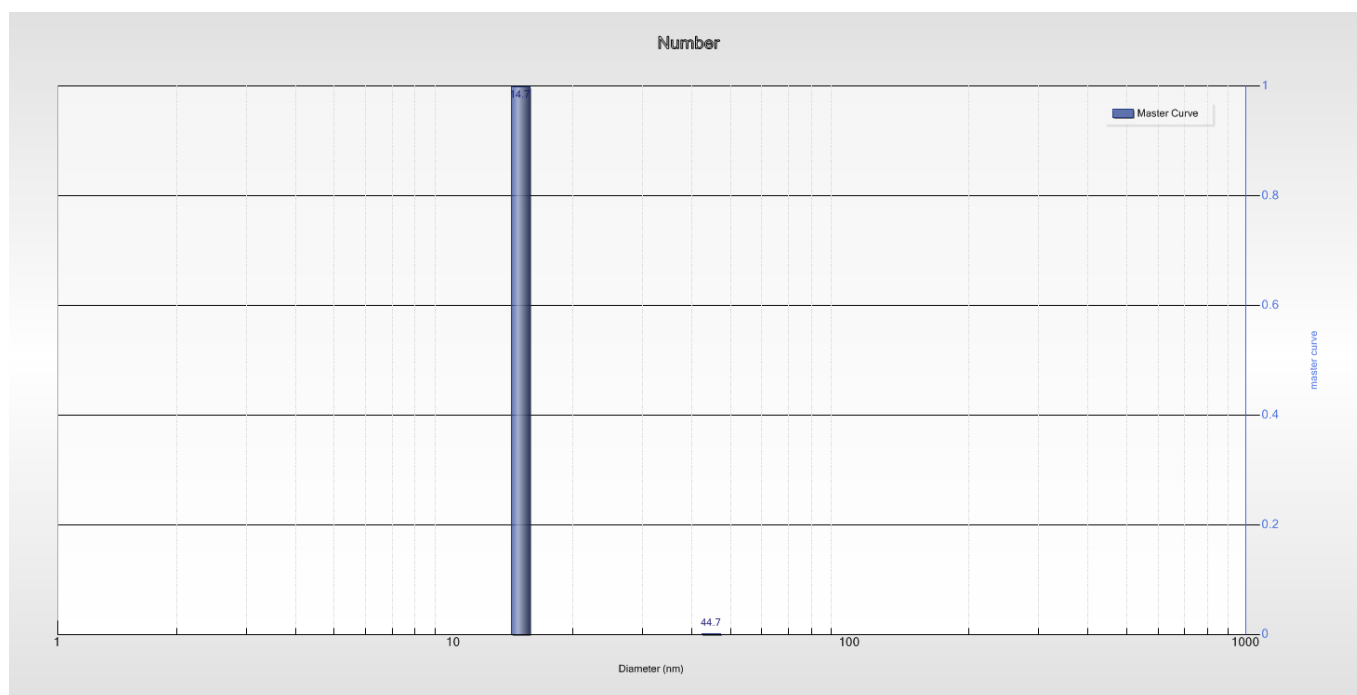
Di 10%: 14.75 nm
Mean Intensity: 26.06 nm

Di 50%: 14.75 nm

Di 90%: 44.73 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
14.72	0.56	17657.31	33.40477E-012
43.83	0.34	5929.8	11.21823E-012



Dispersion statistics

Dn 10%: 14.75 nm
Mean Number: 14.77 nm

Dn 50%: 14.75 nm

Dn 90%: 14.75 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
14.72	0.56	17657.31	33.40477E-012
43.83	0.34	5929.8	11.21823E-012



Dispersion statistics

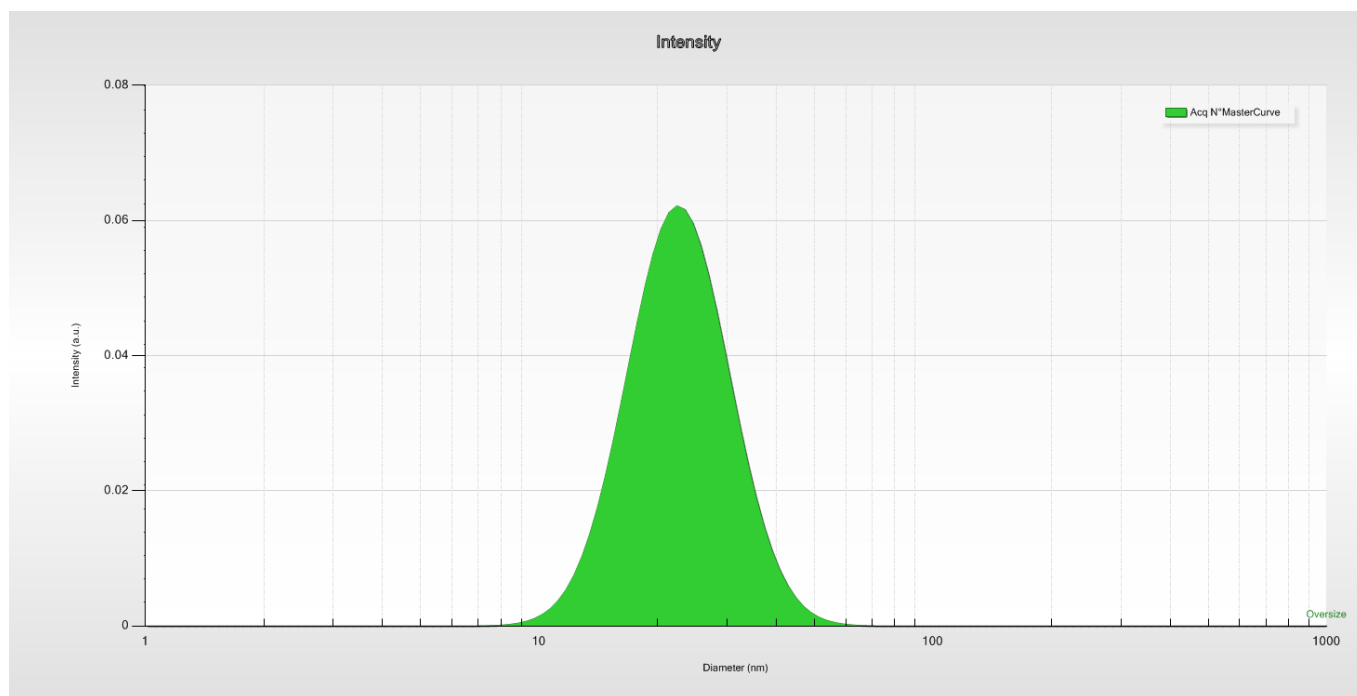
Dv 10%: 14.75 nm
Mean Volume: 15.4 nm

Dv 50%: 14.75 nm

Dv 90%: 14.75 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
14.72	0.56	17657.31	33.40477E-012
43.83	0.34	5929.8	11.21823E-012

**Distribution statistics**

Di 10%: 15.44 nm
Mean Intensity: 23.53 nm
PDI : 0.36761

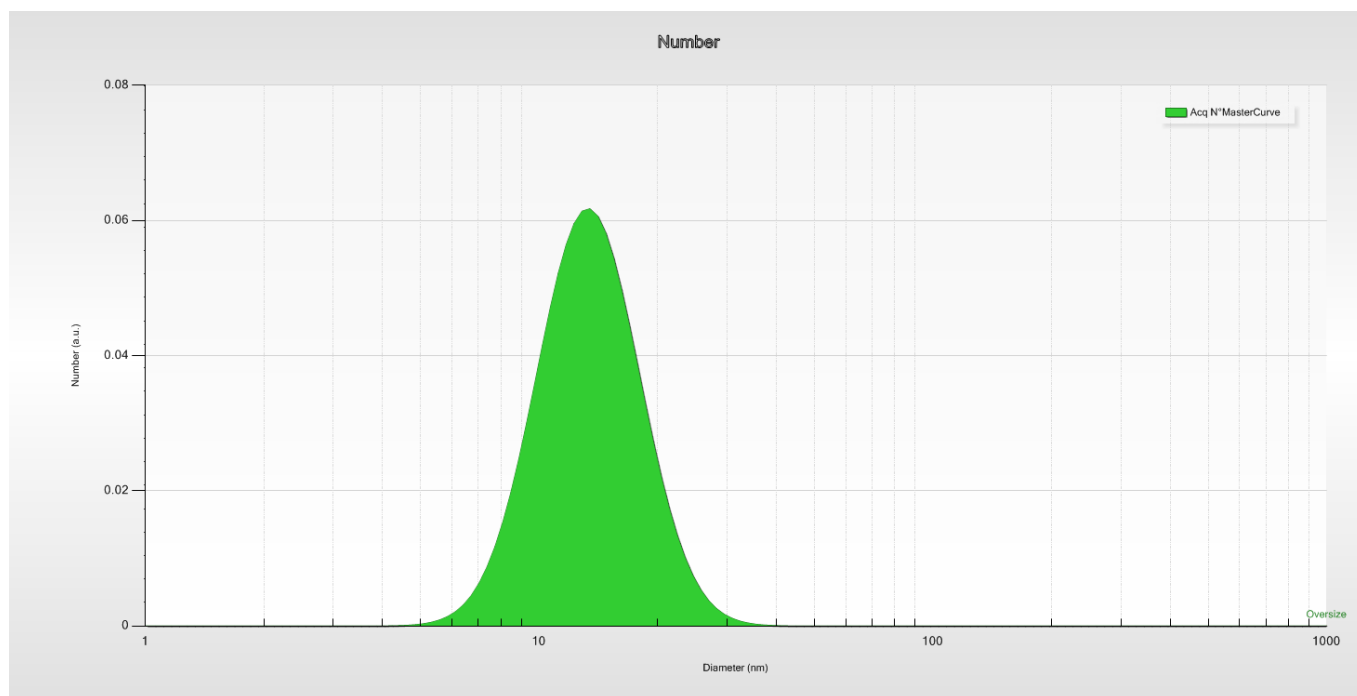
Di 50%: 22.36 nm

Di 90%: 32.36 nm

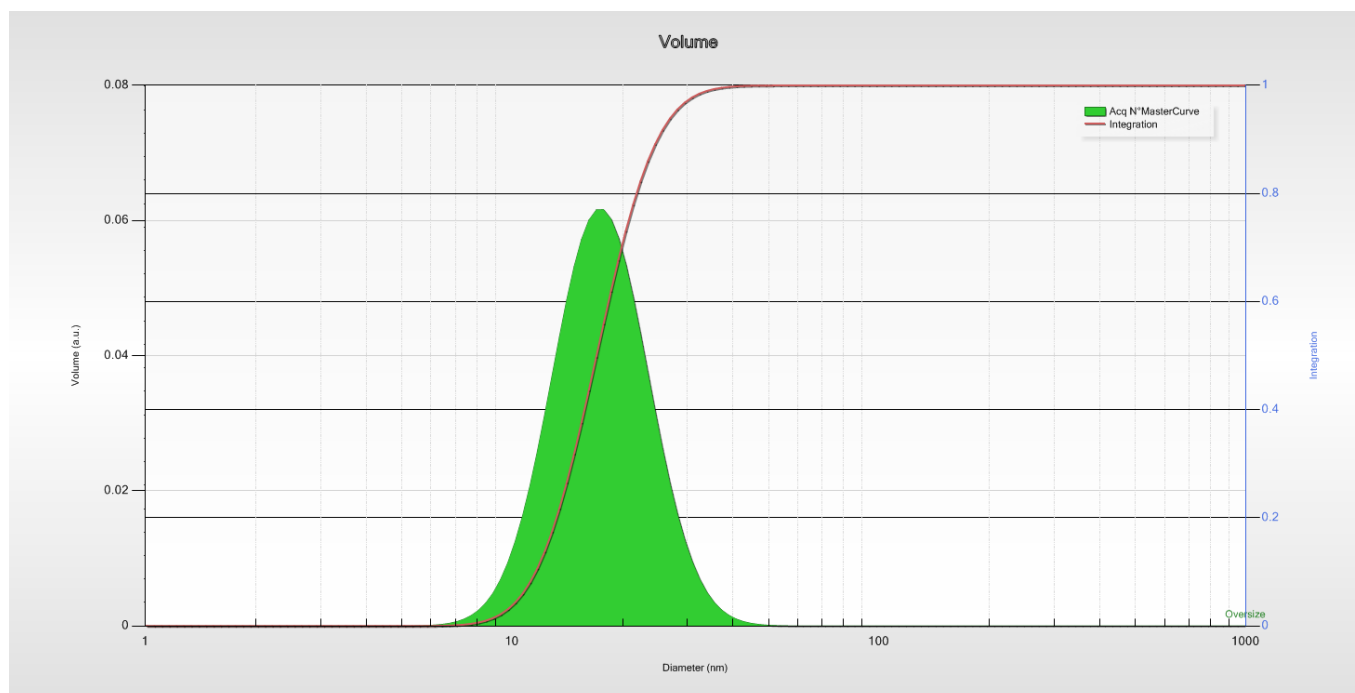
Std Dev: 30.32%

Detected size(s)

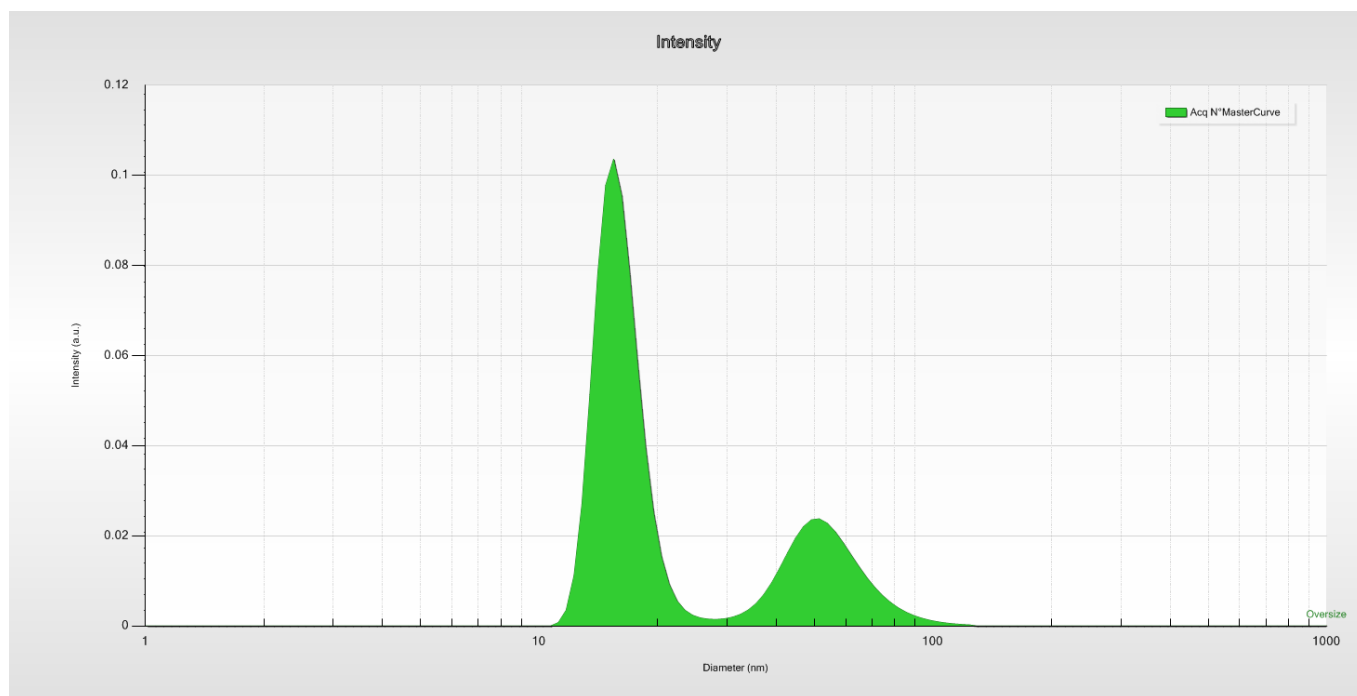
Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
19.73	0.82	13166.61	24.9091E-012

**Distribution statistics****Dn 10%:** 8.87 nm**Dn 50%:** 13.44 nm**Dn 90%:** 19.46 nm**Mean Number:** 13.9 nm**PDI** : 0.36761**Std Dev:** 30.32%**Detected size(s)**

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
19.73	0.82	13166.61	24.9091E-012

**Distribution statistics****Dv 10%:** 11.7 nm**Dv 50%:** 17.74 nm**Dv 90%:** 25.68 nm**Mean Volume:** 18.16 nm**PDI** : 0.36761**Std Dev:** 30.32%**Detected size(s)**

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
19.73	0.82	13166.61	24.9091E-012

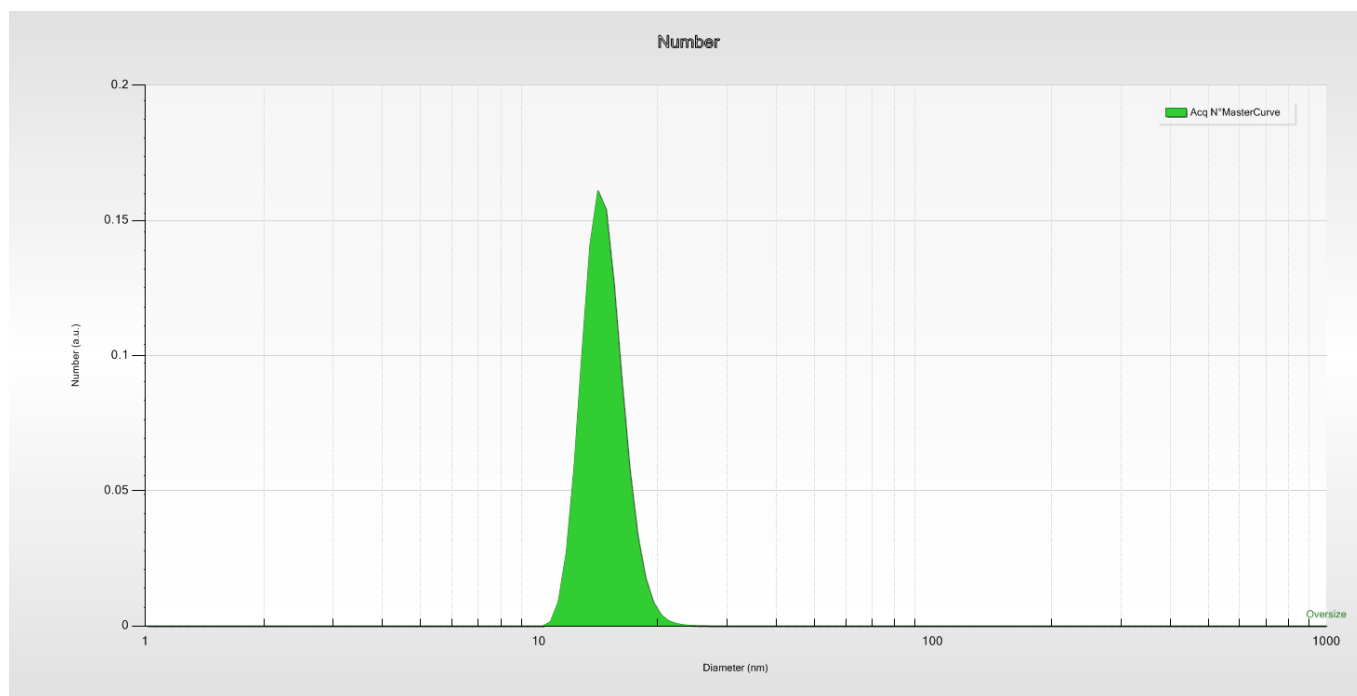
**Distribution statistics**

Di 10%: 14.08 nm
Mean Intensity: 27.04 nm
Solution index: 6

Di 50%: 16.94 nm

Di 90%: 56.36 nm

Peak : 1	Mode: 15.44 nm	Mean: 16.05 nm	Dev.: 15 %	Intensity.: 71.16 %
Peak : 2	Mode: 51.39 nm	Mean: 54.23 nm	Dev.: 25.88 %	Intensity.: 28.84 %

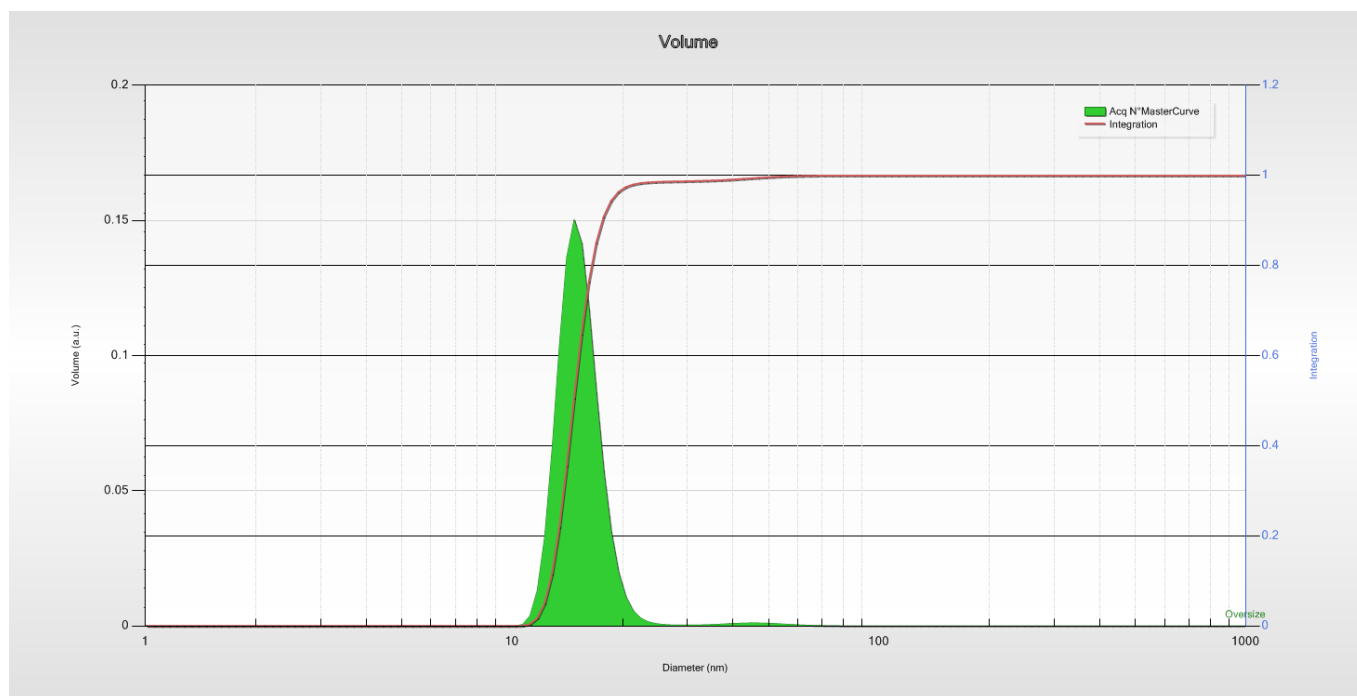
**Distribution statistics**

Dn 10%: 12.84 nm
Mean Number: 14.62 nm
Solution index: 6

Dn 50%: 14.08 nm

Dn 90%: 16.94 nm

Peak : 1 | **Mode:** 14.08 nm **Mean:** 14.62 nm **Dev.:** 12.65 % **Intensity.:** 100 %

**Distribution statistics**

Dv 10%: 12.84 nm
Mean Volume: 15.69 nm
Solution index: 6

Dv 50%: 14.75 nm

Dv 90%: 17.74 nm

Peak : 1	Mode: 14.75 nm	Mean: 15.3 nm	Dev.: 13.74 %	Intensity.: 98.69 %
Peak : 2	Mode: 44.73 nm	Mean: 46.59 nm	Dev.: 23.29 %	Intensity.: 1.31 %