

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

Device Settings

Time interval	: 1 µs	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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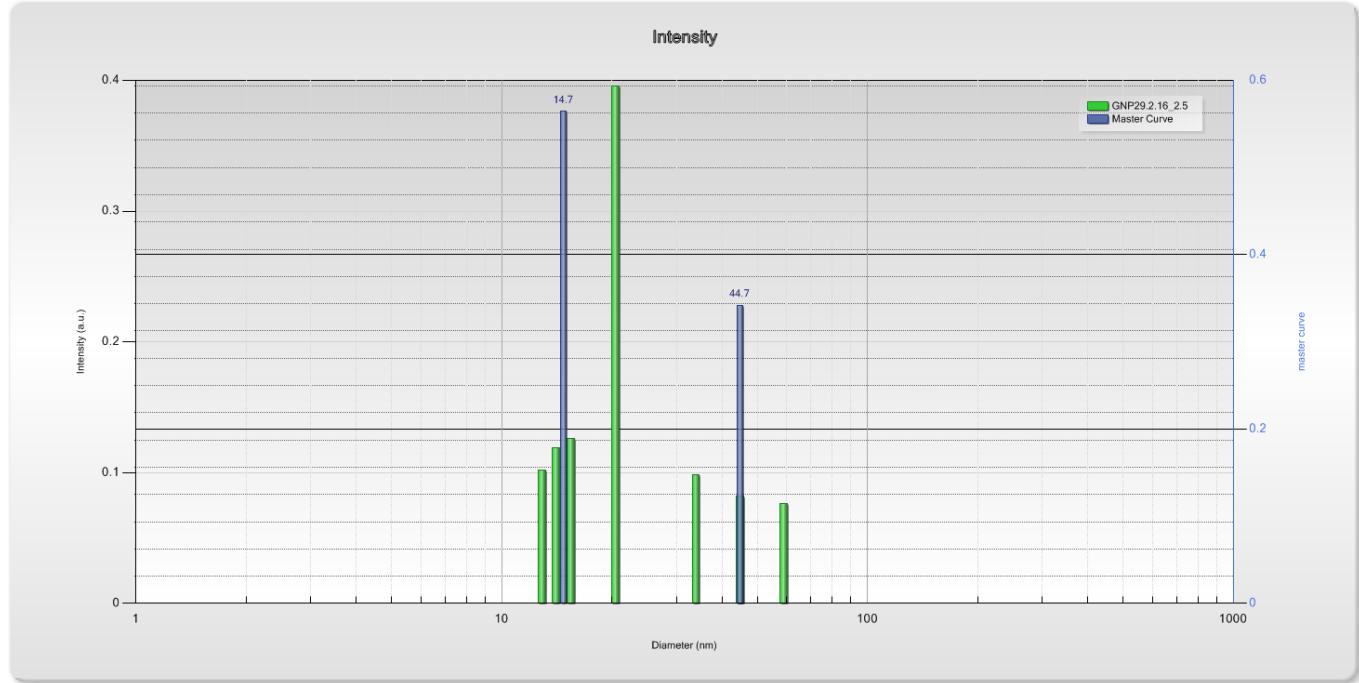
Algorithm

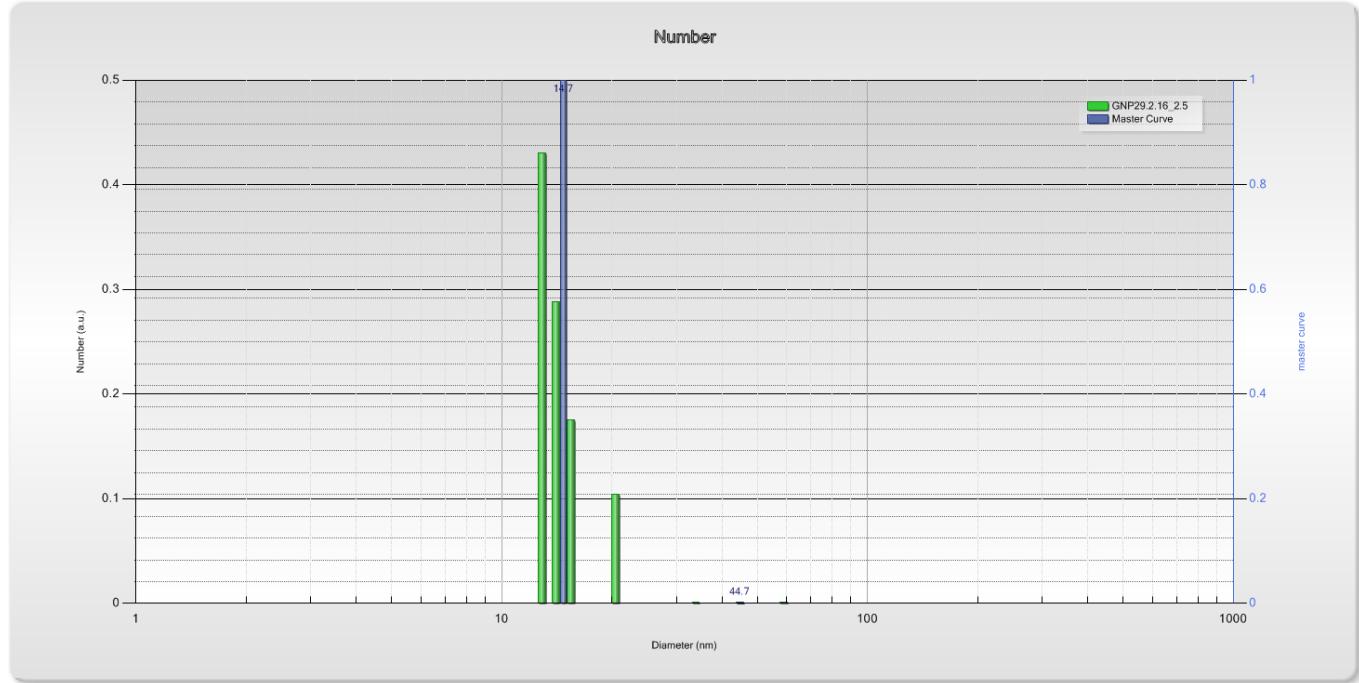
<i>Pade Laplace</i>	<i>Cumulants</i>	<i>SBL</i>
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Measurement

Average count rate : 2548 kcps
Number of rejected : 0

Duration : 00:05:23
Number of modified : 1

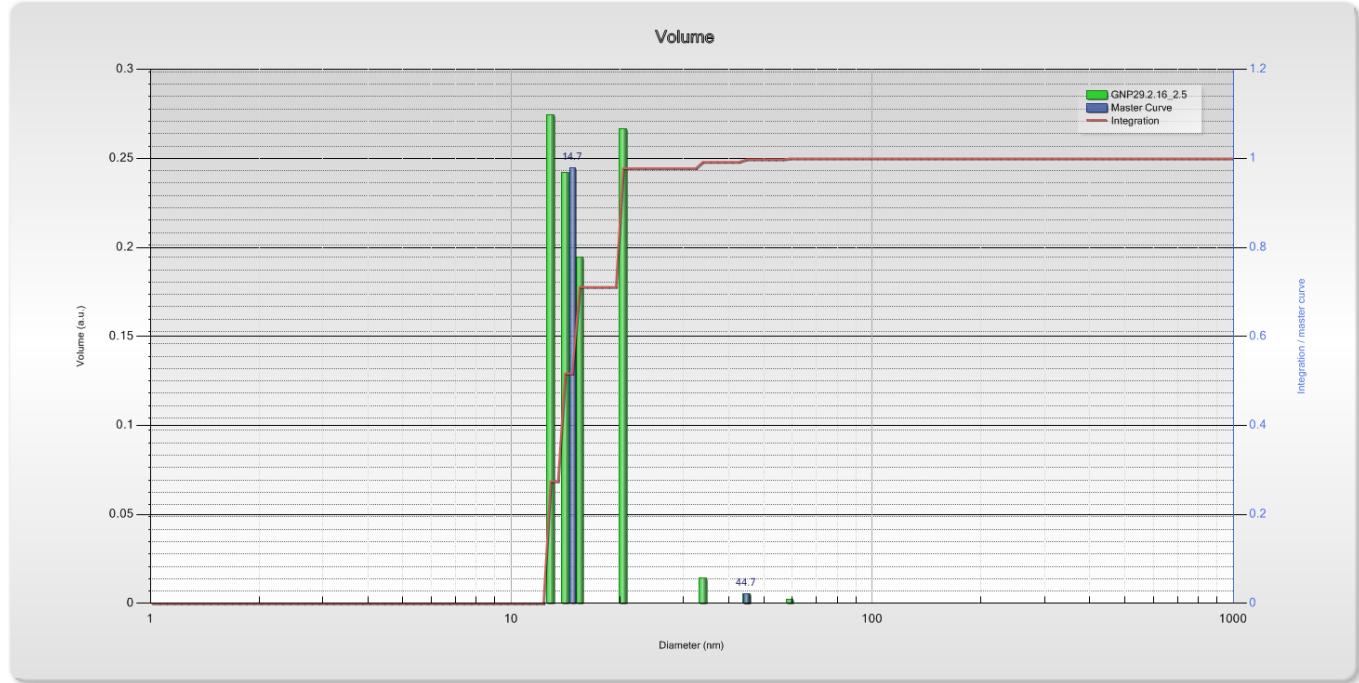
**Dispersion statistics*****Di 10%:*** 12.84 nm***Di 50%:*** 20.38 nm***Di 90%:*** 44.73 nm

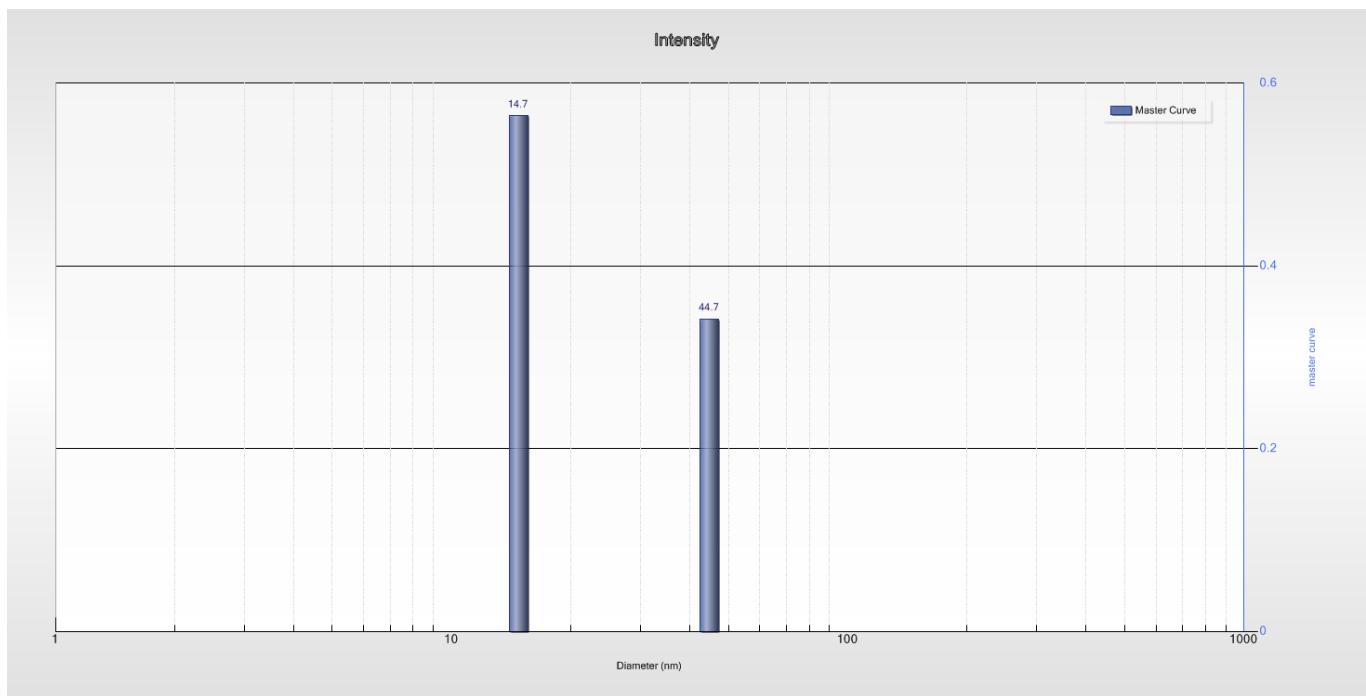
**Dispersion statistics**

D_n 10%: 12.84 nm

D_n 50%: 14.08 nm

D_n 90%: 20.38 nm

**Dispersion statistics****D_v 10%: 12.84 nm****D_v 50%: 14.08 nm****D_v 90%: 20.38 nm**

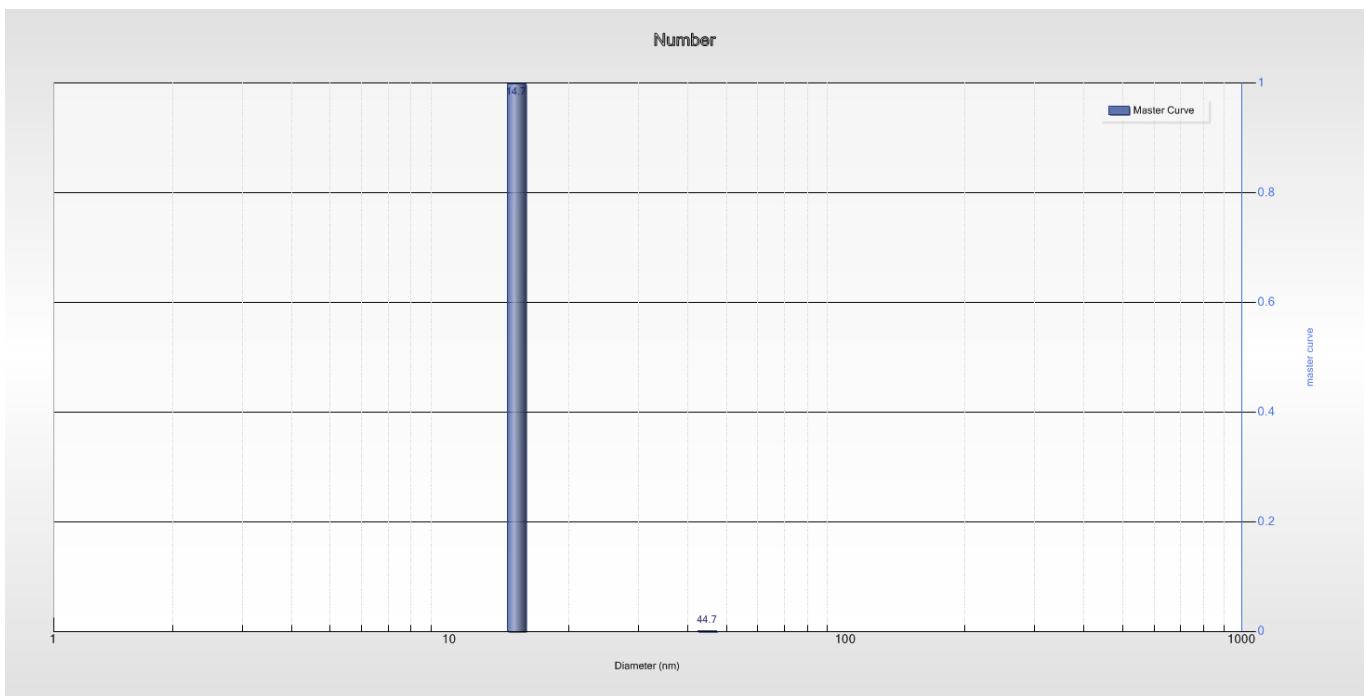


Dispersion statistics

Di 10%: 14.75 nm **Di 50%:** 14.75 nm **Di 90%:** 44.73 nm
Mean Intensity: 26.06 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

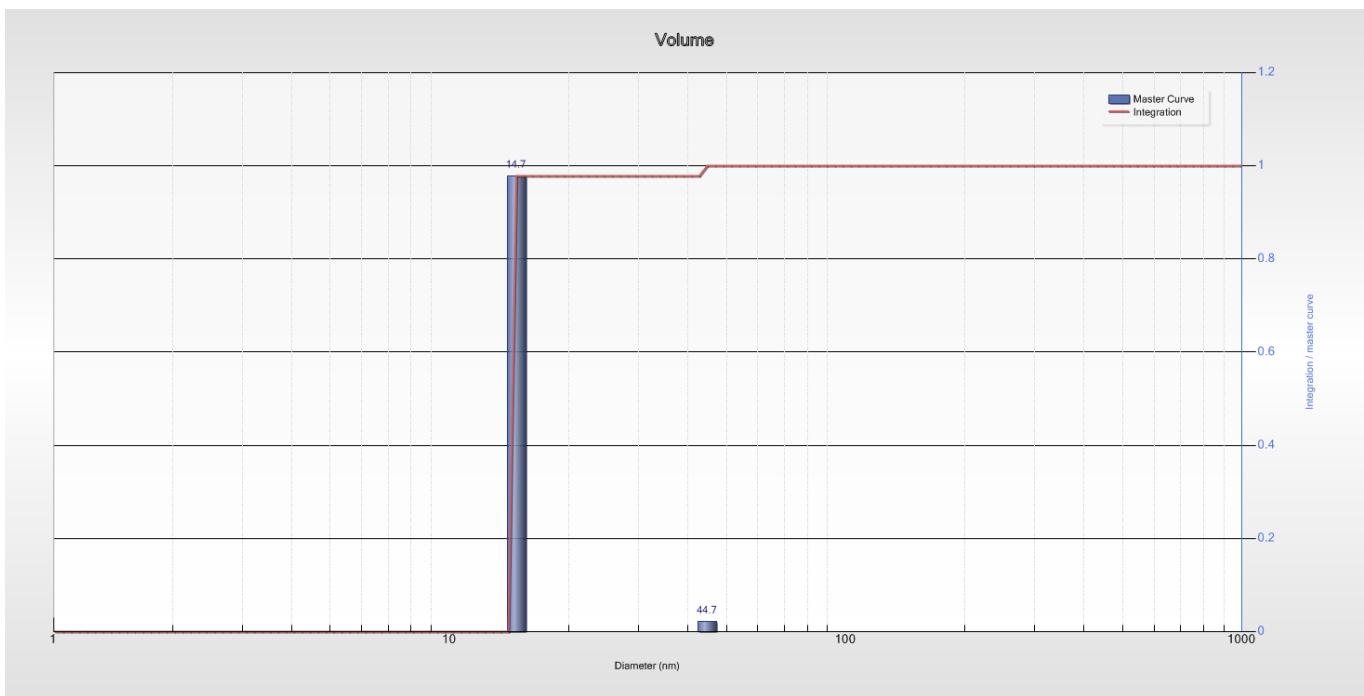


Dispersion statistics

Dn 10%: 14.75 nm **Dn 50%:** 14.75 nm **Dn 90%:** 14.75 nm
Mean Number: 14.77 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

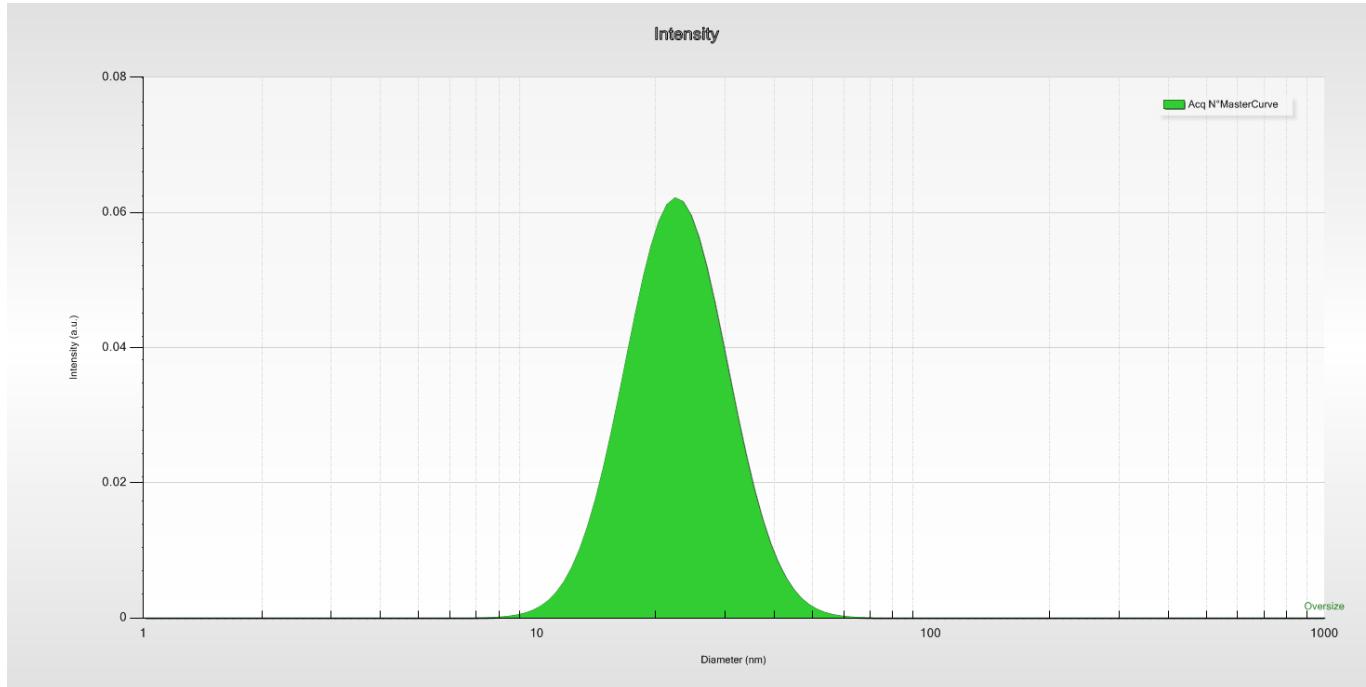


Dispersion statistics

D_v 10%: 14.75 nm **D_v 50%:** 14.75 nm **D_v 90%:** 14.75 nm
Mean Volume: 15.4 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

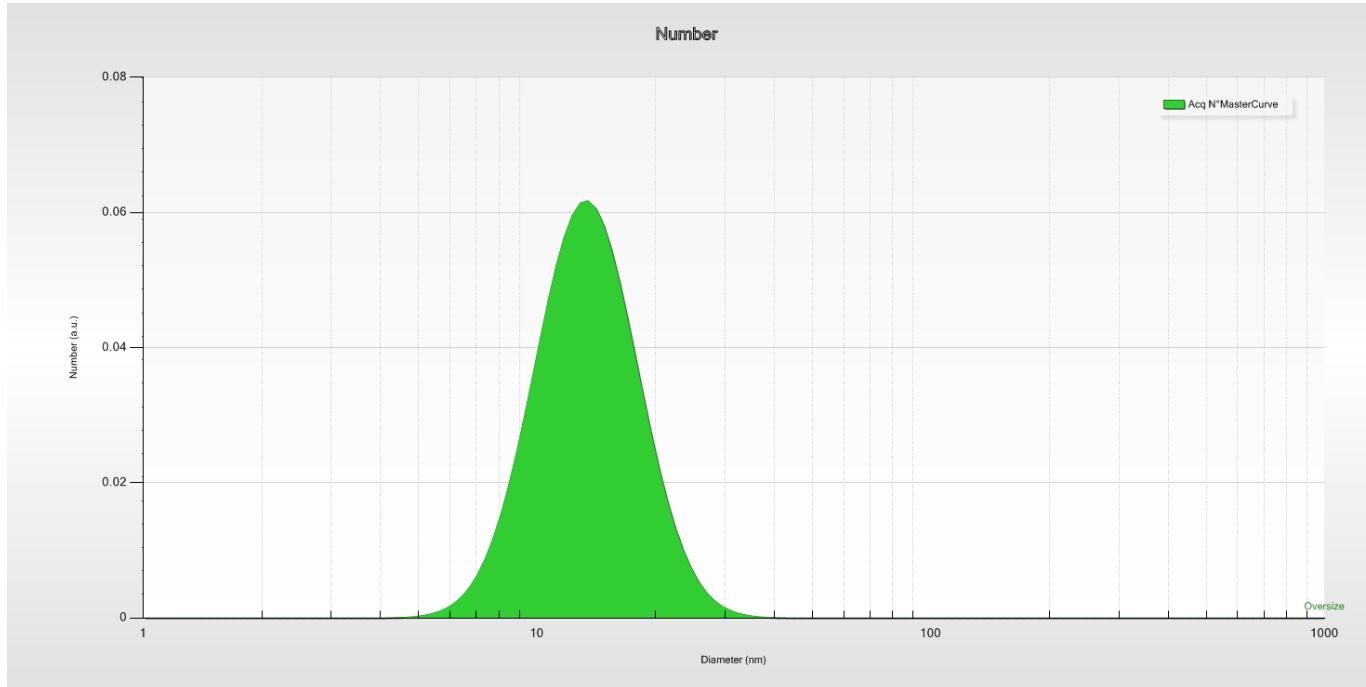


Distribution statistics

Di 10%: 15.44 nm **Di 50%:** 22.36 nm **Di 90%:** 32.36 nm
Mean Intensity: 23.53 nm **PDI :** 0.36761 **Std Dev:** 30.32%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
19.73	0.82	13166.61	24.9091E-012

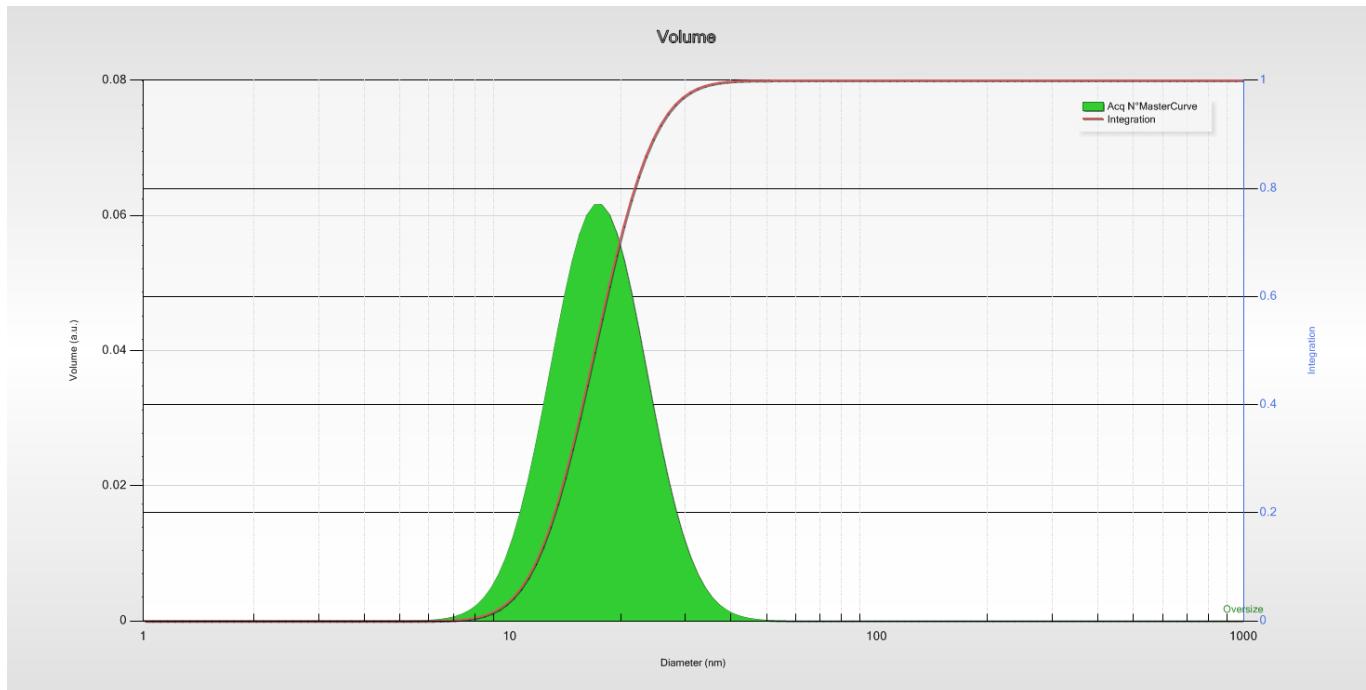


Distribution statistics

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. (m ² /s)
19.73	0.82	13166.61	24.9091E-012

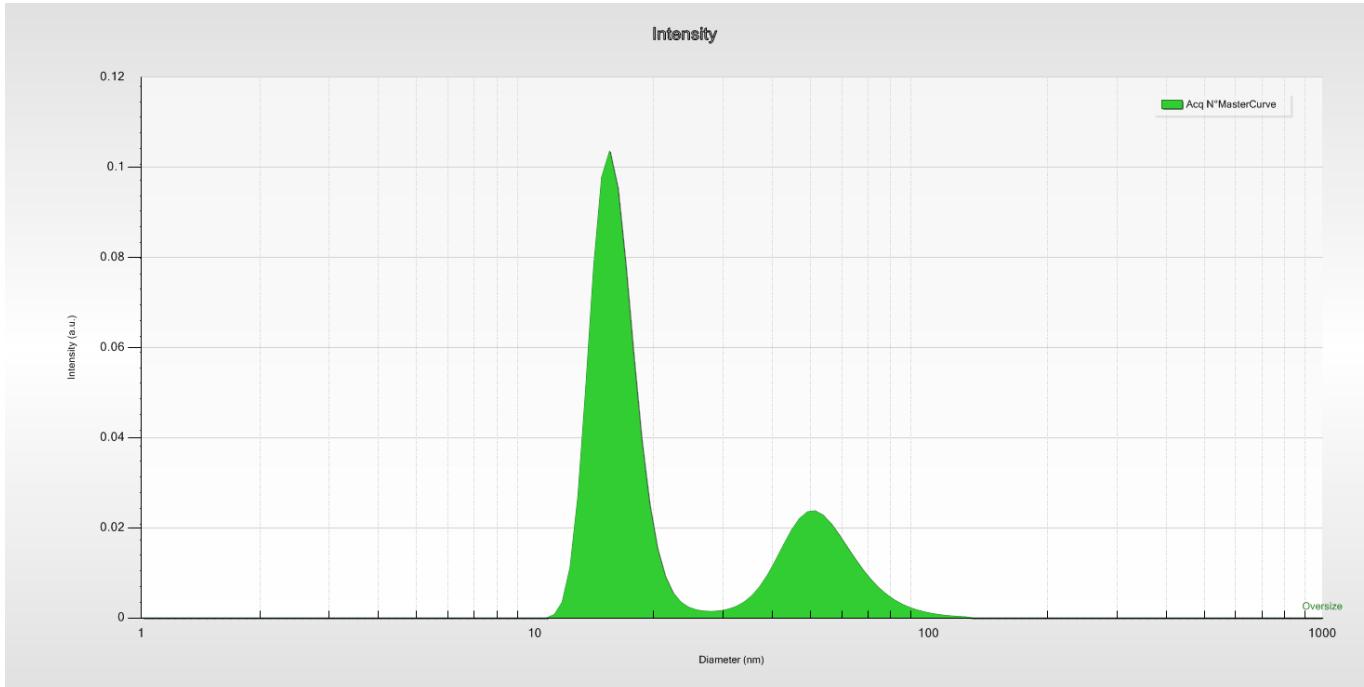


Distribution statistics

D_v 10%: 11.7 nm **D_v 50%:** 17.74 nm **D_v 90%:** 25.68 nm
Mean Volume: 18.16 nm **Std Dev:** 30.32%
PDI : 0.36761

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
19.73	0.82	13166.61	24.9091E-012



Distribution statistics

Di 10%: 14.08 nm

Di 50%: 16.94 nm

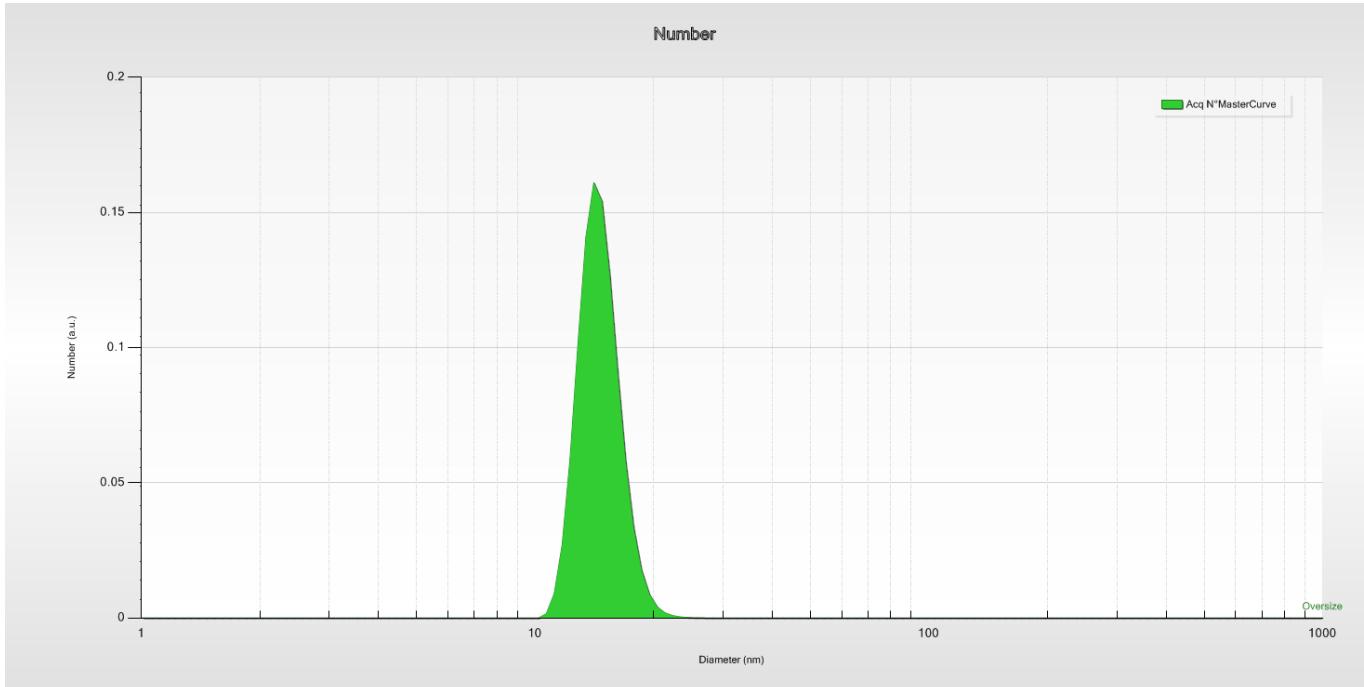
Di 90%: 56.36 nm

Mean Intensity: 27.04 nm

Solution index: 6

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

Dn 50%: 14.08 nm

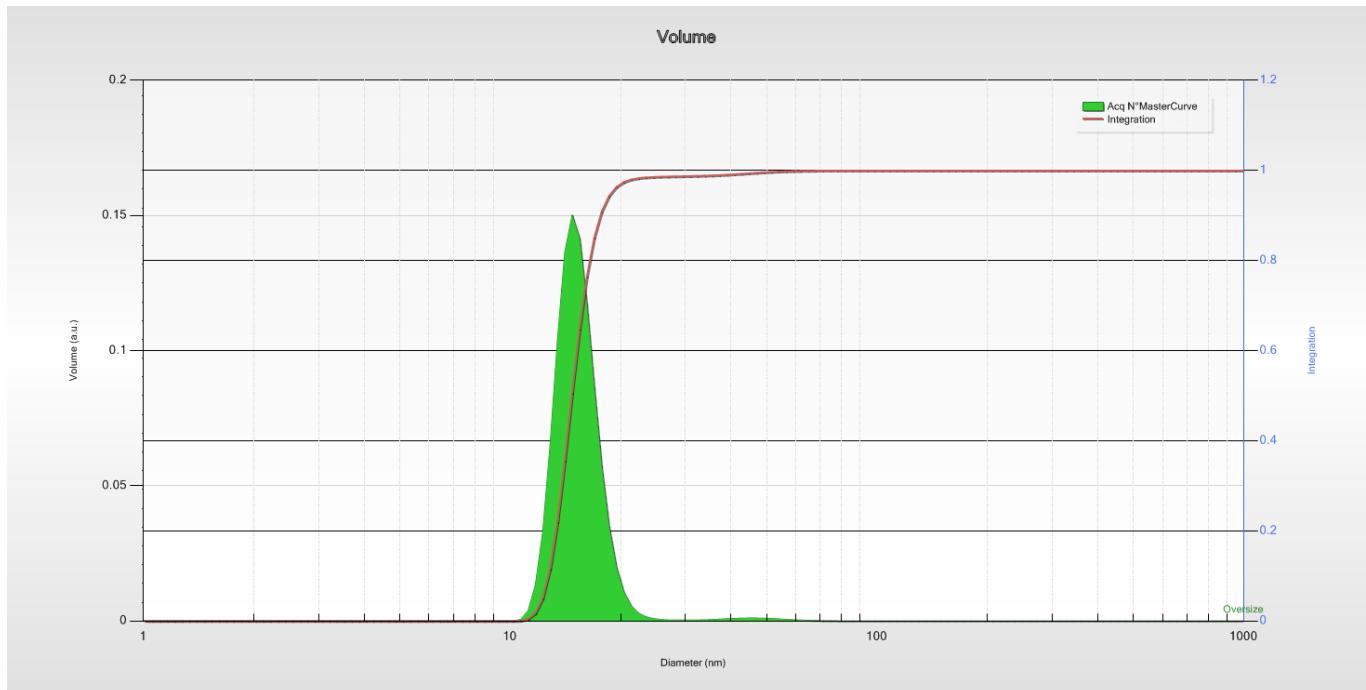
Dn 90%: 16.94 nm

Mean Number: 14.62 nm

Solution index: 6

Peak : 1

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



Distribution statistics

D_v 10%: 12.84 nm

D_v 50%: 14.75 nm

D_v 90%: 17.74 nm

Mean Volume: 15.69 nm

Solution index: 6

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 %