

LAMPIRAN

Lampiran 1. Hasil Output PSA Ukuran Partikel Sebelum Proses

2020.03.12 14:43:42

HORIBA
Scientific

HORIBA SZ-100 for Windows [Z Type] Ver2.20

SZ-100

10 Mar 20 Sebelum proses_0937.nsz

Measurement Results

Date : Rabu, 11 Maret 2020 15.07.48
Measurement Type : Particle Size
Sample Name : 10 Mar 20 Sebelum proses
Scattering Angle : 90
Temperature of the Holder : 25.0 deg. C
Dispersion Medium Viscosity : 0.894 mPa.s
Transmission Intensity before Meas. : 20663
Measurement Gate Time : 81.92 usec
Distribution Form : [Standard]
Distribution Form(Dispersity) : Polydisperse
Representation of Result : Scattering Light Intensity
Count Rate : 10786 kCPS

Calculation Results

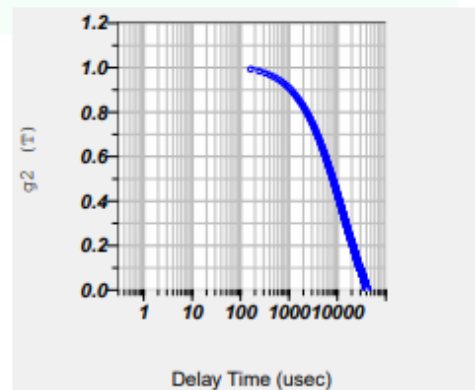
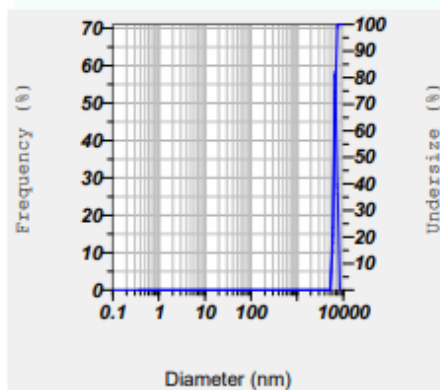
Peak No.	S.P.Area Ratio	Mean	S. D.	Mode
1	1.00	6383.2 nm	492.0 nm	6350.9 nm
2	—	— nm	— nm	— nm
3	—	— nm	— nm	— nm
Total	1.00	6383.2 nm	492.0 nm	6350.9 nm

Histogram Operations

Size (Median) : 6350.9 nm
% Cumulative (2) : 10.0 (%) - 5670.9 (nm)
% Cumulative (4) : 30.0 (%) - 6091.0 (nm)
% Cumulative (6) : 50.0 (%) - 6350.9 (nm)
% Cumulative (8) : 70.0 (%) - 6621.8 (nm)
Mean : 6383.2 nm

Cumulant Operations

Z-Average : 4344.9 nm
PI : 0.984



Explore the future

Automotive Test Systems | Process & Environmental | Medical | Semiconductor | Scientific

HORIBA

SZ-100

10 Mar 20 Setelah proses_0941.nsz

Measurement Results

Date : Rabu, 11 Maret 2020 15.16.50
Measurement Type : Particle Size
Sample Name : 10 Mar 20 Setelah proses
Scattering Angle : 90
Temperature of the Holder : 25.0 deg. C
Dispersion Medium Viscosity : 0.895 mPa.s
Transmission Intensity before Meas. : 27066
Measurement Gate Time : 81.92 usec
Distribution Form : [Standard]
Distribution Form(Dispersity) : Polydisperse
Representation of Result : Scattering Light Intensity
Count Rate : 201 kCPS

Calculation Results

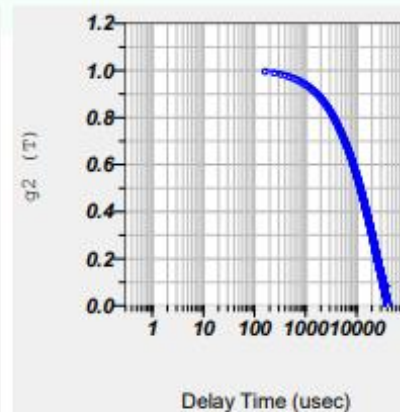
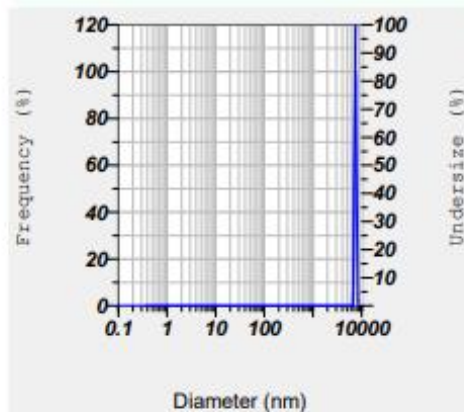
Peak No.	S.P.Area Ratio	Mean	S. D.	Mode
1	1.00	7086.7 nm	0.0 nm	7086.7 nm
2	---	--- nm	--- nm	--- nm
3	---	--- nm	--- nm	--- nm
Total	1.00	7086.7 nm	0.0 nm	7086.7 nm

Histogram Operations

Size (Median) : 7086.7 nm
% Cumulative (2) : 10.0 (%) - 6749.0 (nm)
% Cumulative (4) : 30.0 (%) - 6915.8 (nm)
% Cumulative (6) : 50.0 (%) - 7086.7 (nm)
% Cumulative (8) : 70.0 (%) - 7261.8 (nm)
Mean : 7086.7 nm

Cumulant Operations

Z-Average : 5945.4 nm
PI : 1.443



Lampiran 3. Hasil Output PSA Zeta Potensial Sebelum Proses

2020.03.12 15:00:58

HORIBA
Scientific
SZ-100

HORIBA SZ-100 for Windows [Z Type] Ver2.20

10 Mar 20 Sebelum proses_0895.nzt

Measurement Results

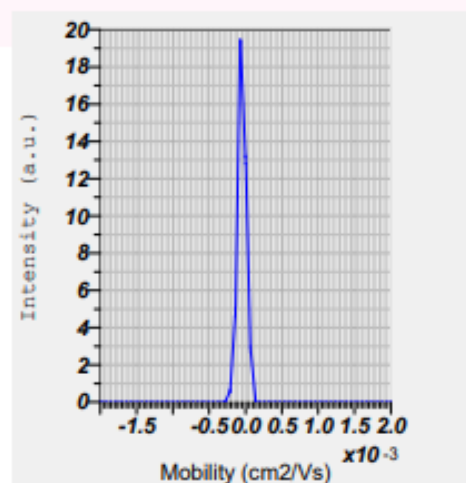
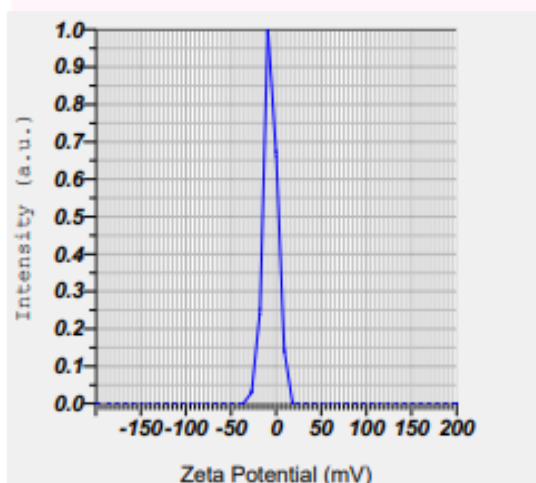
Date : Rabu, 11 Maret 2020 13.33.17
Measurement Type : Zeta Potential
Sample Name : 10 Mar 20 Sebelum proses
Dispersion Medium Information :
Temperature of the Holder : 25.0 deg. C
Dispersion Medium Viscosity : 0.896 mPa.s
Conductivity : 2.821 mS/cm
Electrode Voltage : 2.8 V

Calculation Results

Peak No.	Zeta Potential	Electrophoretic Mobility
1	-6.0 mV	-0.000046 cm ² /Vs
2	--- mV	--- cm ² /Vs
3	--- mV	--- cm ² /Vs

Zeta Potential (Mean) : -6.0 mV

Electrophoretic Mobility Mean : -0.000046 cm²/Vs



Explore the future

Automotive Test Systems | Process & Environmental | Medical | Semiconductor | Scientific

HORIBA

SZ-100

10 Mar 20 Setelah proses_0905.nzt

Measurement Results

Date : Rabu, 11 Maret 2020 13.52.19
Measurement Type : Zeta Potential
Sample Name : 10 Mar 20 Setelah proses
Dispersion Medium Information :
Temperature of the Holder : 25.0 deg. C
Dispersion Medium Viscosity : 0.895 mPa.s
Conductivity : 7.122 mS/cm
Electrode Voltage : 2.1 V

Calculation Results

Peak No.	Zeta Potential	Electrophoretic Mobility
1	-7.6 mV	-0.000059 cm ² /Vs
2	— mV	— cm ² /Vs
3	— mV	— cm ² /Vs

Zeta Potential (Mean) : -7.6 mV

Electrophoretic Mobility Mean : -0.000059 cm²/Vs

