
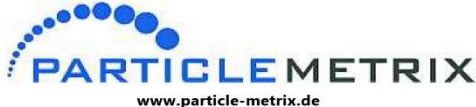


光散射模式下的电位-浓度检测

Electrophoresis & Brownian Motion
Video Analysis
Laser Scattering Microscopy

Operator (Report): ZetaView
Video Operator: ZetaView

Sample Parameters

Sample Name: PS_2
 Comment: ZP PS100nm, Sample Remarks0:
 Sample Remarks1:
 Sample Remarks2:
 Electrolyte: PBS
 Temperature: 24.98 °C sensed
 pH 7.0 entered
 Conductivity: 14721.32 µS/cm sensed

Measurement Parameters

Cell S/N: CA16-122-0096
 Sensed Electric Field: 2.66 V/cm (pulsed)
Measurement Mode: Stationary 2 Cycles

Result

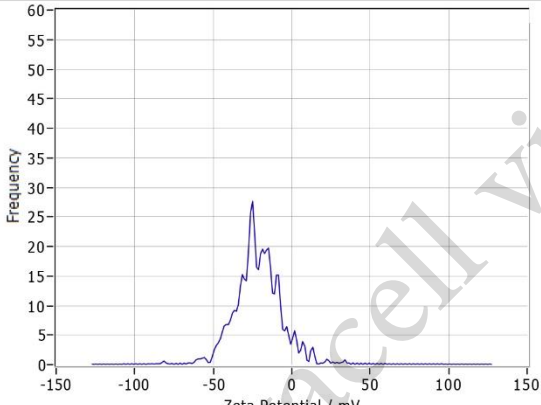
Mobility: -1.67 FWHM 0.77 µm/sec/V/cm, @ 25°C: -1.67 µm/sec/V/cm
 ZP Factor: 12.8 (Smoluchowski)
 Zeta Potential @ 25 °C: -21.44 FWHM 14.27 mV
 Concentration: 6.5E+7 Particles / mL
 Dilution Factor: 1000000
 Original Concentration: 6.5E+13 Particles / mL

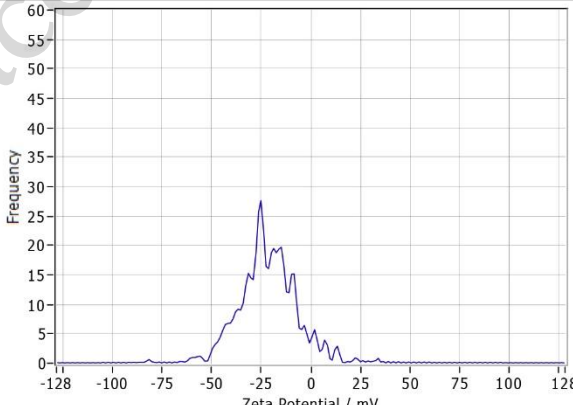
Quality

Average Counted Particles per Frame: 188
 Number of Traced Particles: 518
 ΔSL: 3.53 mV

Analysis Parameters

Max Area: 1000, Min Area: 10, Min Brightness: 30



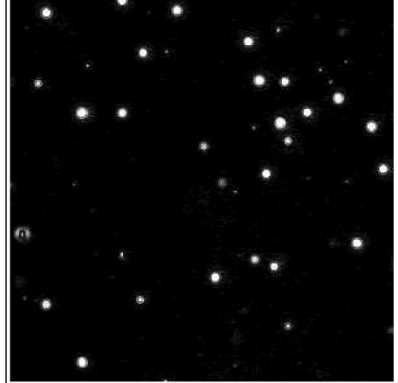


Stationary Layers

Stationary Layers	Rel. Position
SL1	0.149
SL2	0.851

Peak Analysis (25 °C)

Zeta Potential / mV	Frequency	FWHM / mV	Percentage
-25.2	27.4	9.9	50.0
-19.4	19.0	14.1	46.2
13.2	2.8	3.1	3.8



Comment

(Signature)

Analyzed Video: Z:\ZetaViewResults\20190507\20190507_0033_PS_2_SL.avi

ZetaVIEW S/N 252, Software ZetaView 8.04.02 SP2, Camera 0.703 µm/px

Experiment: 2019-05-07 17:28, Report: 2019-05-07 17:29