

Condition Summary

S/N : 123909

User : Common	Group :	Repetition : 1/1
Date : 12/23/2015	File Name : Formula I_20151223_142608	
Time : 14:26:08	Sample Information :	
SOP Name : mahasiswa	Security : No Security	

Version 2.31 / 2.03

Measurement Condition

Sampling Time	: 200	( $\mu$ s)	Correlation Method	: TD	
Correlation Channel	: 512	(ch)	Accumulation times	: 10	(times)
Scattering Angle	: 34.1	( $^{\circ}$ )	Temperature	: 24.9	( $^{\circ}$ C)
Intensity	: 113602	(cps)	Attenuator 1	: 65.58	(%)
Cell Center	: X: 5.730	(mm)	Attenuator 2	: 3.310	(%)
	: Z: 6.000	(mm)	Pinhole	: 50	( $\mu$ m)
Cell Constant	: 5.000	(1/cm)			
Apply Voltage Type	: NEGATIVE				

Electric Field

Avg. Electric Field	: -11.32	(V/cm)	Avg. Current	: -2.14	(mA)
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Diluent Properties

Diluent Name	: WATER	Dielectric Constant	: 78.3	
Refractive Index	: 1.3328	Viscosity	: 0.8898	(cP)

Analysis Results

Zeta Potential	: -0.30	(mV)	Zeta Potential of Cell (Upper)	: 0.00	(mV)
Mobility	: -2.363e-006	( $\text{cm}^2/\text{Vs}$ )	Zeta Potential of Cell (Lower)	: 0.00	(mV)
Conductivity	: 0.6657	(mS/cm)	Base Frequency	: 252.6	(Hz)

Analysis Parameters

Lorentz Fitting	: 1 peak
Conversion Equation	: Smoulchowski

Peak Value Table

No.	Cell Position	Electric Field (V/cm)	Mobility ( $\text{cm}^2/\text{Vs}$ )
1	0.00 mm	-11.3	-2.363e-006
Average		-11.3	-2.363e-006