



Zeta Potential Report

Sovereign Silver 10 ppm <

fsk

Sample

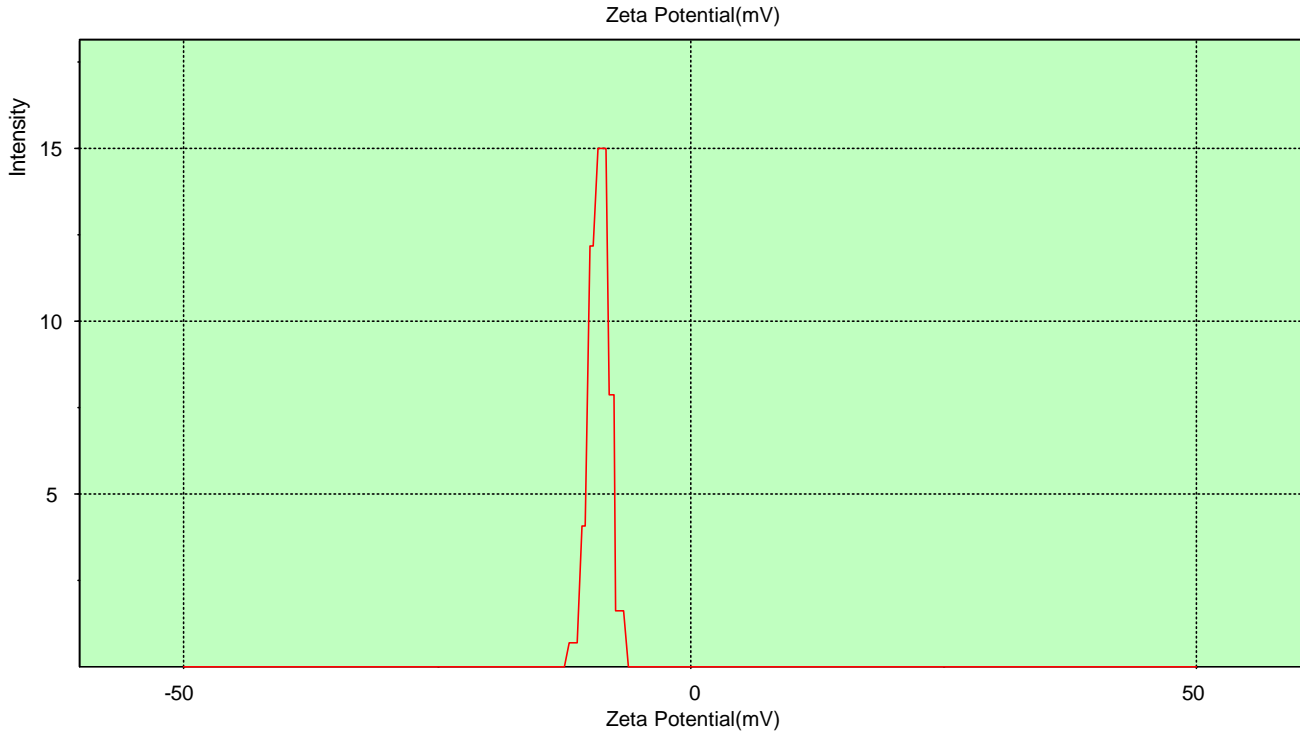
Record Number: 13
Filename: Live zeta
File Path: .
Dielectric Constant: 79.7
pH: N/A
Viscosity (cP): 0.890
Date (DMY): 28/03/01
Time: 13:58:52

System

Instrument Type: Zetasizer 3000HS
Temperature (°C): 25.0
Count rate (kCps): 2333.1
Cell Type: Capillary cell
Cell Position (%): 50.00
Cell field (V/cm): 29.3
Current (mA): 0.0

Result

Zeta Potential (mV):	-9.0	Mobility (umcm/V.s):	-0.714
StDev (mV):	0.3	StDev (umcm/V.s):	0.026
Conductivity (mS/cm):	0.00	F(ka):	1.50

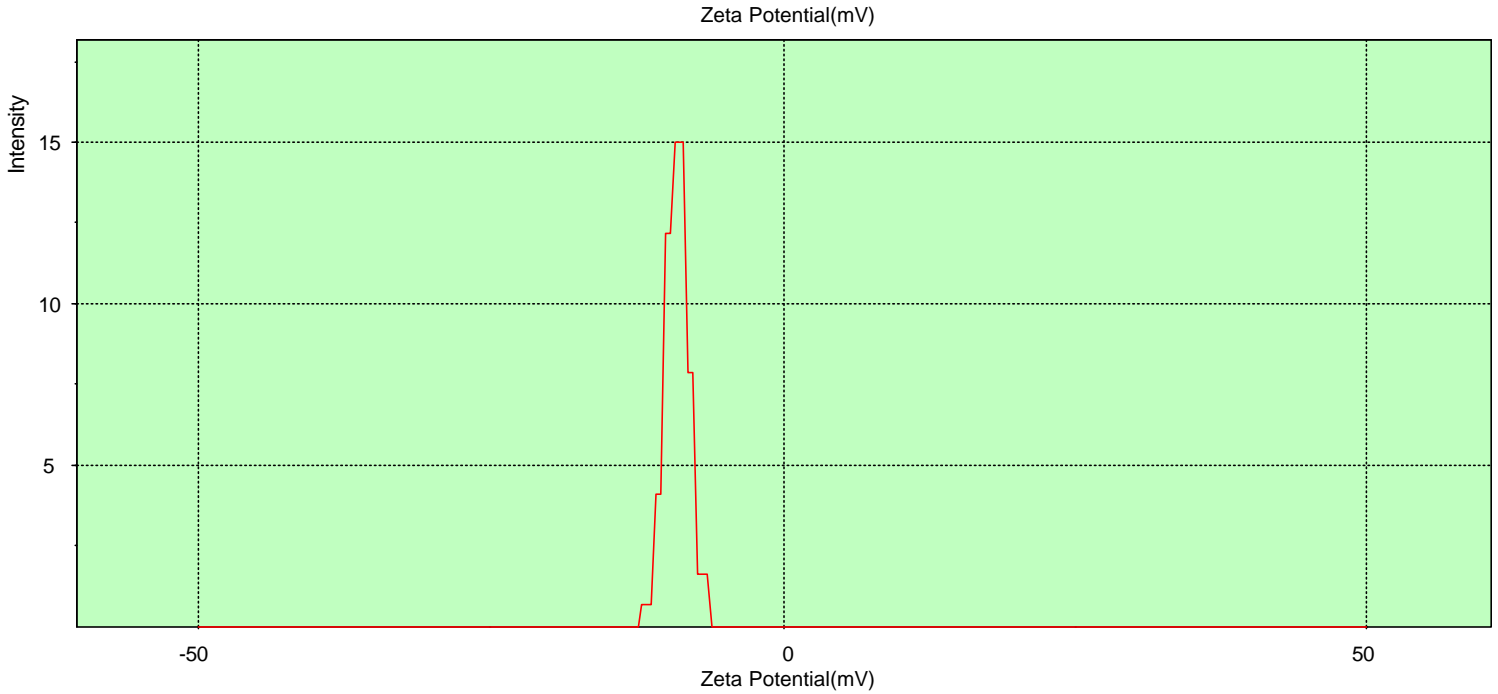


Int.	Zeta(mV)	Mob($\mu\text{mcm/Vs}$)	Freq.(Hz)	Int.	Zeta(mV)	Mob($\mu\text{mcm/Vs}$)	Freq.(Hz)
0.0	-50.0	-3.962	570.3	0.0	0.8	0.063	306.9
0.0	-48.4	-3.837	562.1	0.0	2.4	0.189	298.7
0.0	-46.8	-3.711	553.8	0.0	4.0	0.314	290.4
0.0	-45.2	-3.585	545.6	0.0	5.6	0.440	282.2
0.0	-43.7	-3.459	537.4	0.0	7.1	0.566	274.0
0.0	-42.1	-3.333	529.1	0.0	8.7	0.692	265.7
0.0	-40.5	-3.208	520.9	0.0	10.3	0.818	257.5
0.0	-38.9	-3.082	512.7	0.0	11.9	0.943	249.3
0.0	-37.3	-2.956	504.4	0.0	13.5	1.069	241.0
0.0	-35.7	-2.830	496.2	0.0	15.1	1.195	232.8
0.0	-34.1	-2.704	488.0	0.0	16.7	1.321	224.6
0.0	-32.5	-2.579	479.7	0.0	18.3	1.447	216.3
0.0	-31.0	-2.453	471.5	0.0	19.8	1.572	208.1
0.0	-29.4	-2.327	463.3	0.0	21.4	1.698	199.9
0.0	-27.8	-2.201	455.0	0.0	23.0	1.824	191.6
0.0	-26.2	-2.075	446.8	0.0	24.6	1.950	183.4
0.0	-24.6	-1.950	438.6	0.0	26.2	2.075	175.2
0.0	-23.0	-1.824	430.4	0.0	27.8	2.201	167.0
0.0	-21.4	-1.698	422.1	0.0	29.4	2.327	158.7
0.0	-19.8	-1.572	413.9	0.0	31.0	2.453	150.5
0.0	-18.3	-1.447	405.7	0.0	32.5	2.579	142.3
0.0	-16.7	-1.321	397.4	0.0	34.1	2.704	134.0
0.0	-15.1	-1.195	389.2	0.0	35.7	2.830	125.8
0.0	-13.5	-1.069	381.0	0.0	37.3	2.956	117.6
3.1	-11.9	-0.943	372.7	0.0	38.9	3.082	109.3
19.0	-10.3	-0.818	364.5	0.0	40.5	3.208	101.1
70.4	-8.7	-0.692	356.3	0.0	42.1	3.333	92.9
7.5	-7.1	-0.566	348.0	0.0	43.7	3.459	84.6
0.0	-5.6	-0.440	339.8	0.0	45.2	3.585	76.4
0.0	-4.0	-0.314	331.6	0.0	46.8	3.711	68.2
0.0	-2.4	-0.189	323.3	0.0	48.4	3.837	59.9
0.0	-0.8	-0.063	315.1	0.0	50.0	3.962	51.7

Peak Analysis by Zeta pot.			
Peak	Amp	Mean	Width
1	100.0	-9.0	0.3

Peak Analysis by Mobility			
Peak	Amp	Mean	Width
1	100.0	-0.7	0.0

Peak Analysis by Frequency			
Peak	Amp	Mean	Width
1	100.0	357.7	1.7



Mean(mV) **-9.0** Width(mV) **0.3** Time **13:58:52** Date **28/03/01** Function **Zeta Pot. 25.0** Temp.(°C) Visc.(cP) **0.890** Title **Sovereign Silver 10 ppm <**