

Zeta Potential Report

silver lightning <
5 ppm sample
fsk

Sample

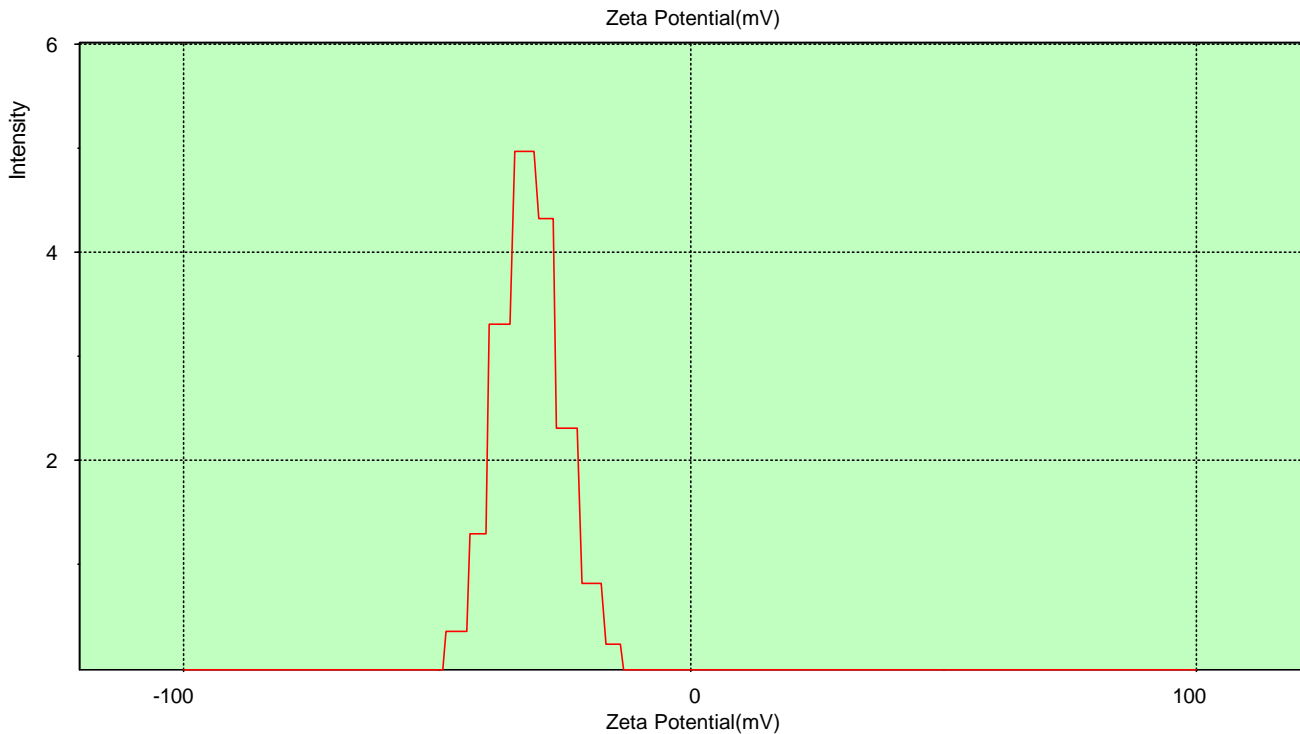
Record Number: 3
Filename: Live zeta
File Path: .
Dielectric Constant: 79.7
pH: N/A
Viscosity (cP): 0.890
Date (DMY): 7/03/01
Time: 12:19:47

System

Instrument Type: Zetasizer 3000HS
Temperature (°C): 25.0
Count rate (kCps): 2631.0
Cell Type: Capillary cell
Cell Position (%): 50.00
Cell field (V/cm): 29.3
Current (mA): 0.0

Result

Zeta Potential (mV):	-31.8	Mobility (umcm/V.s):	-2.518
StDev (mV):	1.6	StDev (umcm/V.s):	0.124
Conductivity (mS/cm):	0.00	F(ka):	1.50

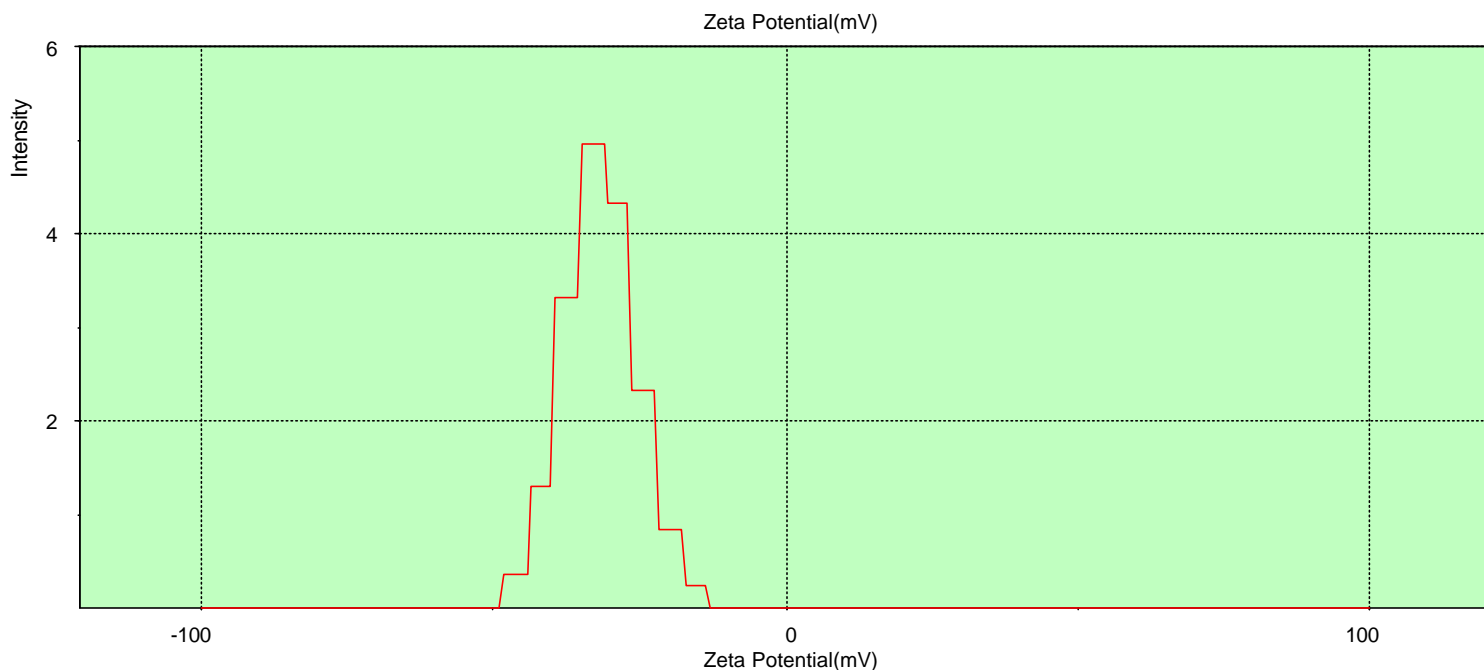


Int.	Zeta(mV)	Mob(μmcm/Vs)	Freq.(Hz)	Int.	Zeta(mV)	Mob(μmcm/Vs)	Freq.(Hz)
0.0	-100.0	-7.925	430.0	0.0	1.6	0.126	318.3
0.0	-96.8	-7.673	426.5	0.0	4.8	0.377	314.8
0.0	-93.7	-7.421	423.0	0.0	7.9	0.629	311.3
0.0	-90.5	-7.170	419.5	0.0	11.1	0.881	307.8
0.0	-87.3	-6.918	416.0	0.0	14.3	1.132	304.3
0.0	-84.1	-6.667	412.5	0.0	17.5	1.384	300.8
0.0	-81.0	-6.415	409.0	0.0	20.6	1.635	297.3
0.0	-77.8	-6.164	405.5	0.0	23.8	1.887	293.8
0.0	-74.6	-5.912	402.0	0.0	27.0	2.138	290.3
0.0	-71.4	-5.660	398.5	0.0	30.2	2.390	286.8
0.0	-68.3	-5.409	395.1	0.0	33.3	2.642	283.3
0.0	-65.1	-5.157	391.6	0.0	36.5	2.893	279.9
0.0	-61.9	-4.906	388.1	0.0	39.7	3.145	276.4
0.0	-58.7	-4.654	384.6	0.0	42.9	3.396	272.9
0.0	-55.6	-4.403	381.1	0.0	46.0	3.648	269.4
0.0	-52.4	-4.151	377.6	0.0	49.2	3.899	265.9
0.0	-49.2	-3.899	374.1	0.0	52.4	4.151	262.4
1.4	-46.0	-3.648	370.6	0.0	55.6	4.403	258.9
5.1	-42.9	-3.396	367.1	0.0	58.7	4.654	255.4
13.0	-39.7	-3.145	363.6	0.0	61.9	4.906	251.9
13.0	-36.5	-2.893	360.1	0.0	65.1	5.157	248.4
19.5	-33.3	-2.642	356.7	0.0	68.3	5.409	244.9
16.9	-30.2	-2.390	353.2	0.0	71.4	5.660	241.5
16.9	-27.0	-2.138	349.7	0.0	74.6	5.912	238.0
9.1	-23.8	-1.887	346.2	0.0	77.8	6.164	234.5
3.2	-20.6	-1.635	342.7	0.0	81.0	6.415	231.0
1.0	-17.5	-1.384	339.2	0.0	84.1	6.667	227.5
1.0	-14.3	-1.132	335.7	0.0	87.3	6.918	224.0
0.0	-11.1	-0.881	332.2	0.0	90.5	7.170	220.5
0.0	-7.9	-0.629	328.7	0.0	93.7	7.421	217.0
0.0	-4.8	-0.377	325.2	0.0	96.8	7.673	213.5
0.0	-1.6	-0.126	321.7	0.0	100.0	7.925	210.0

Peak Analysis by Zeta pot.			
Peak	Amp	Mean	Width
1	100.0	-31.8	1.6

Peak Analysis by Mobility			
Peak	Amp	Mean	Width
1	100.0	-2.5	0.1

Peak Analysis by Frequency			
Peak	Amp	Mean	Width
1	100.0	354.9	1.7



Mean(mV) **-31.8** Width(mV) **1.6** Time **12:19:47** Date **7/03/01** Function **Zeta Pot. 25.0** Temp.(°C) Visc.(cP) **0.890** Title **silver lightning <**