

Zeta Potential Report

CSPRO <
Uniphase 10 ppm
fsk

Sample

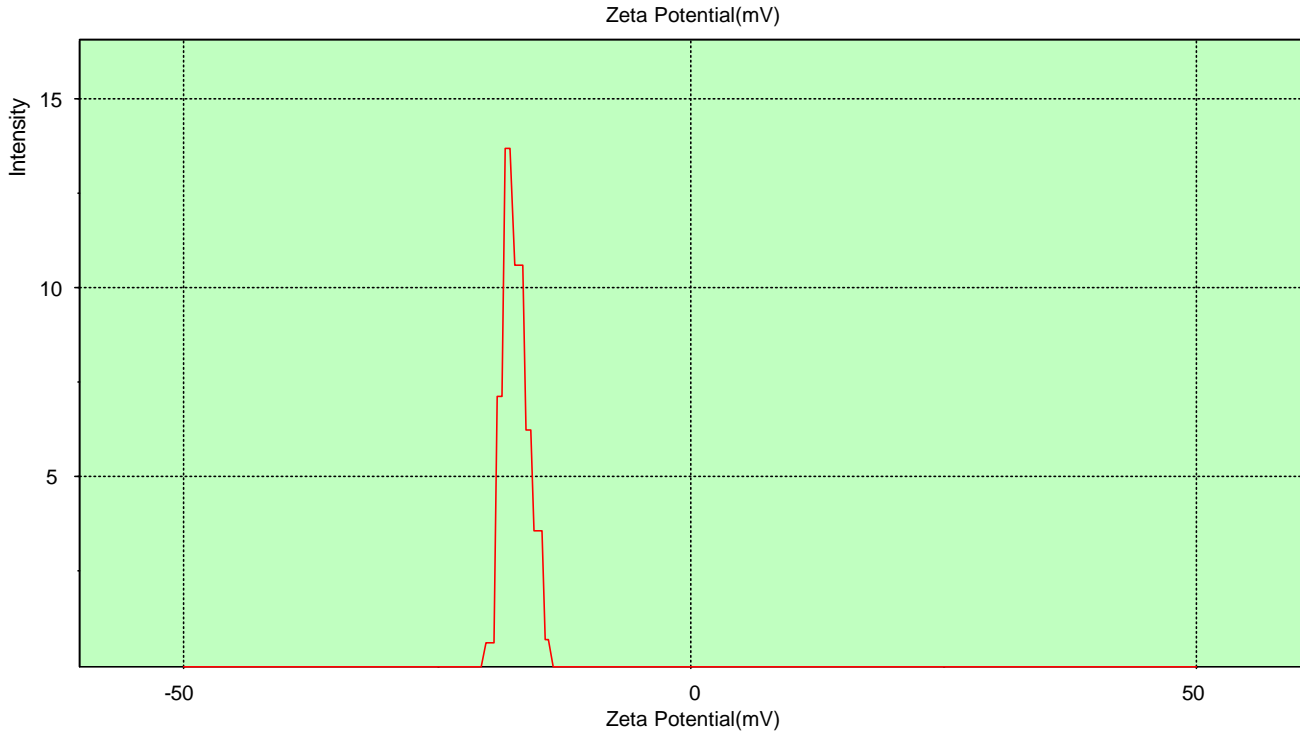
Record Number: 2
Filename: Live zeta
File Path: .
Dielectric Constant: 79.7
pH: N/A
Viscosity (cP): 0.890
Date (DMY): 19/03/01
Time: 10:51:54

System

Instrument Type: Zetasizer 3000HS
Temperature (°C): 25.0
Count rate (kCps): 2377.2
Cell Type: Capillary cell
Cell Position (%): 50.00
Cell field (V/cm): 29.3
Current (mA): 0.1

Result

Zeta Potential (mV):	-17.3	Mobility (umcm/V.s):	-1.374
StDev (mV):	0.3	StDev (umcm/V.s):	0.026
Conductivity (mS/cm):	0.02	F(ka):	1.50

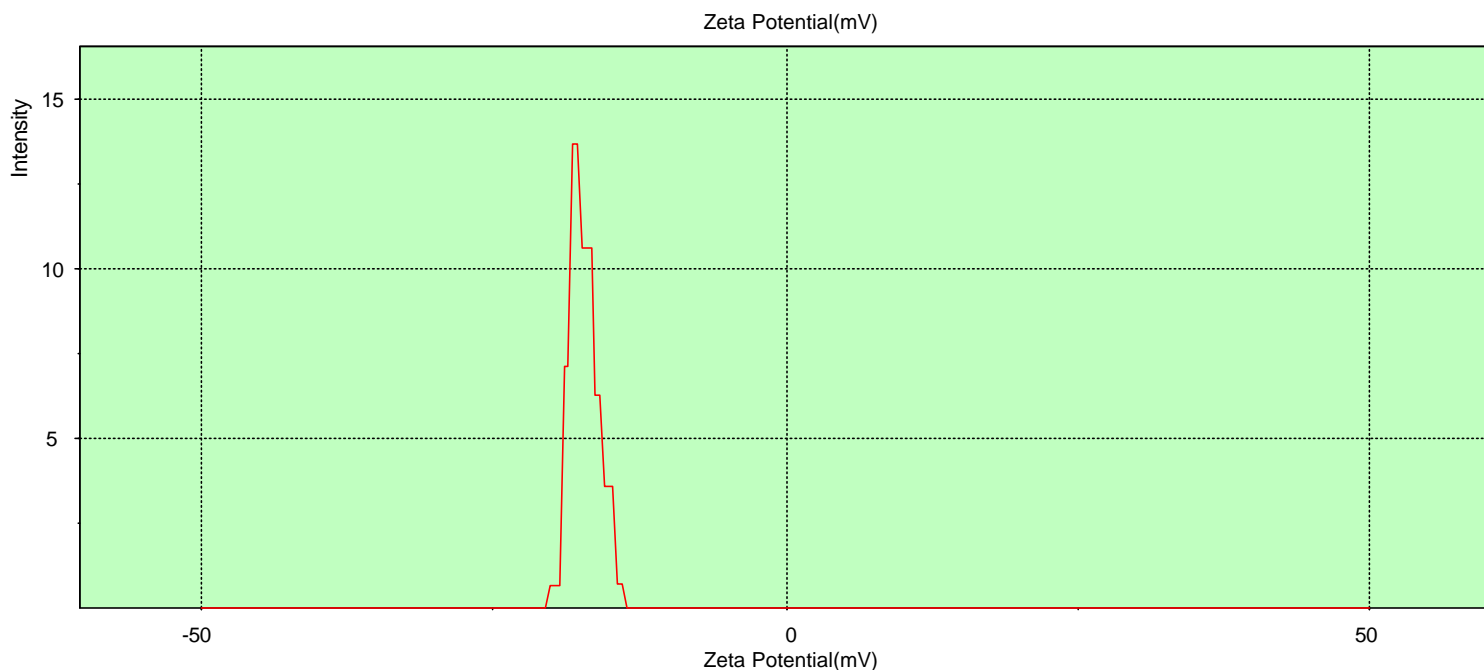


Int.	Zeta(mV)	Mob($\mu\text{mcm/Vs}$)	Freq.(Hz)	Int.	Zeta(mV)	Mob($\mu\text{mcm/Vs}$)	Freq.(Hz)
0.0	-50.0	-3.962	497.8	0.0	0.8	0.063	234.9
0.0	-48.4	-3.837	489.6	0.0	2.4	0.189	226.7
0.0	-46.8	-3.711	481.3	0.0	4.0	0.314	218.5
0.0	-45.2	-3.585	473.1	0.0	5.6	0.440	210.2
0.0	-43.7	-3.459	464.9	0.0	7.1	0.566	202.0
0.0	-42.1	-3.333	456.7	0.0	8.7	0.692	193.8
0.0	-40.5	-3.208	448.5	0.0	10.3	0.818	185.6
0.0	-38.9	-3.082	440.3	0.0	11.9	0.943	177.4
0.0	-37.3	-2.956	432.1	0.0	13.5	1.069	169.2
0.0	-35.7	-2.830	423.8	0.0	15.1	1.195	161.0
0.0	-34.1	-2.704	415.6	0.0	16.7	1.321	152.7
0.0	-32.5	-2.579	407.4	0.0	18.3	1.447	144.5
0.0	-31.0	-2.453	399.2	0.0	19.8	1.572	136.3
0.0	-29.4	-2.327	391.0	0.0	21.4	1.698	128.1
0.0	-27.8	-2.201	382.8	0.0	23.0	1.824	119.9
0.0	-26.2	-2.075	374.5	0.0	24.6	1.950	111.7
0.0	-24.6	-1.950	366.3	0.0	26.2	2.075	103.5
0.0	-23.0	-1.824	358.1	0.0	27.8	2.201	95.2
0.0	-21.4	-1.698	349.9	0.0	29.4	2.327	87.0
2.2	-19.8	-1.572	341.7	0.0	31.0	2.453	78.8
48.1	-18.3	-1.447	333.5	0.0	32.5	2.579	70.6
37.2	-16.7	-1.321	325.3	0.0	34.1	2.704	62.4
12.5	-15.1	-1.195	317.0	0.0	35.7	2.830	54.2
0.0	-13.5	-1.069	308.8	0.0	37.3	2.956	45.9
0.0	-11.9	-0.943	300.6	0.0	38.9	3.082	37.7
0.0	-10.3	-0.818	292.4	0.0	40.5	3.208	29.5
0.0	-8.7	-0.692	284.2	0.0	42.1	3.333	21.3
0.0	-7.1	-0.566	276.0	0.0	43.7	3.459	13.1
0.0	-5.6	-0.440	267.8	0.0	45.2	3.585	4.9
0.0	-4.0	-0.314	259.5	0.0	46.8	3.711	0.0
0.0	-2.4	-0.189	251.3	0.0	48.4	3.837	0.0
0.0	-0.8	-0.063	243.1	0.0	50.0	3.962	0.0

Peak Analysis by Zeta pot.			
Peak	Amp	Mean	Width
1	100.0	-17.3	0.3

Peak Analysis by Mobility			
Peak	Amp	Mean	Width
1	100.0	-1.4	0.0

Peak Analysis by Frequency			
Peak	Amp	Mean	Width
1	100.0	328.8	1.7



Mean(mV) **-17.3** Width(mV) **0.3** Time **10:51:54** Date **19/03/01** Function **Zeta Pot. 25.0** Temp.(°C) Visc.(cP) **0.890** Title **CSPRO <**