

## Zeta Potential Report

Amsilver 22 ppm

fsk

### Sample

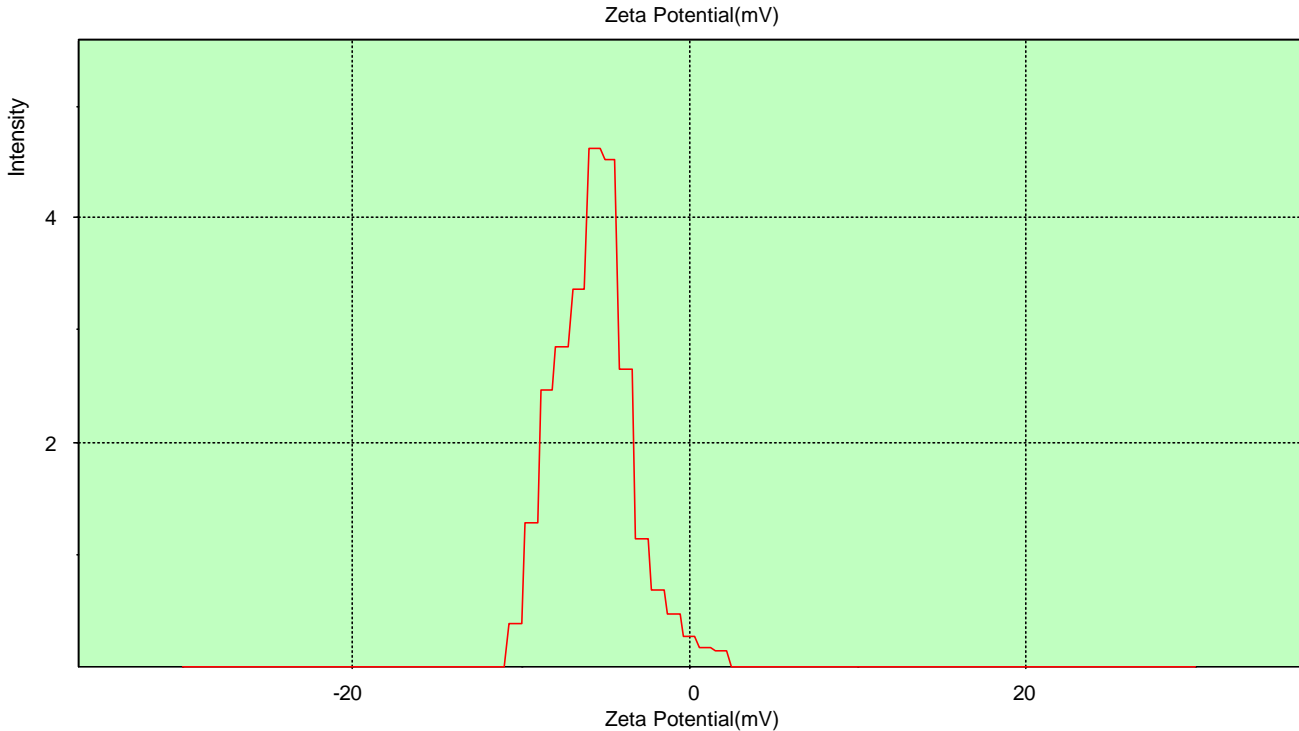
Record Number: 1  
 Filename: Live zeta  
 File Path: .  
 Dielectric Constant: 79.7  
 pH: N/A  
 Viscosity (cP): 0.890  
 Date (DMY): 1/04/01  
 Time: 12:23:06

### System

Instrument Type: Zetasizer 3000HS  
 Temperature (°C): 25.0  
 Count rate (kCps): 2479.4  
 Cell Type: Capillary cell  
 Cell Position (%): 50.00  
 Cell field (V/cm): 29.2  
 Current (mA): 0.1

### Result

Zeta Potential (mV):	-5.7	Mobility (umcm/V.s):	-0.451
StDev (mV):	2.6	StDev (umcm/V.s):	0.205
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	-30.0	-2.377	487.1	0.7	0.5	0.038	329.5
0.0	-29.0	-2.302	482.1	0.6	1.4	0.113	324.6
0.0	-28.1	-2.226	477.2	0.0	2.4	0.189	319.7
0.0	-27.1	-2.151	472.3	0.0	3.3	0.264	314.8
0.0	-26.2	-2.075	467.4	0.0	4.3	0.340	309.8
0.0	-25.2	-2.000	462.4	0.0	5.2	0.415	304.9
0.0	-24.3	-1.925	457.5	0.0	6.2	0.491	300.0
0.0	-23.3	-1.849	452.6	0.0	7.1	0.566	295.1
0.0	-22.4	-1.774	447.7	0.0	8.1	0.642	290.2
0.0	-21.4	-1.698	442.8	0.0	9.0	0.717	285.2
0.0	-20.5	-1.623	437.8	0.0	10.0	0.792	280.3
0.0	-19.5	-1.547	432.9	0.0	11.0	0.868	275.4
0.0	-18.6	-1.472	428.0	0.0	11.9	0.943	270.5
0.0	-17.6	-1.396	423.1	0.0	12.9	1.019	265.5
0.0	-16.7	-1.321	418.1	0.0	13.8	1.094	260.6
0.0	-15.7	-1.245	413.2	0.0	14.8	1.170	255.7
0.0	-14.8	-1.170	408.3	0.0	15.7	1.245	250.8
0.0	-13.8	-1.094	403.4	0.0	16.7	1.321	245.9
0.0	-12.9	-1.019	398.5	0.0	17.6	1.396	240.9
0.0	-11.9	-0.943	393.5	0.0	18.6	1.472	236.0
0.0	-11.0	-0.868	388.6	0.0	19.5	1.547	231.1
1.6	-10.0	-0.792	383.7	0.0	20.5	1.623	226.2
5.2	-9.0	-0.717	378.8	0.0	21.4	1.698	221.2
10.1	-8.1	-0.642	373.8	0.0	22.4	1.774	216.3
11.6	-7.1	-0.566	368.9	0.0	23.3	1.849	211.4
13.7	-6.2	-0.491	364.0	0.0	24.3	1.925	206.5
18.8	-5.2	-0.415	359.1	0.0	25.2	2.000	201.6
18.4	-4.3	-0.340	354.2	0.0	26.2	2.075	196.6
10.8	-3.3	-0.264	349.2	0.0	27.1	2.151	191.7
4.6	-2.4	-0.189	344.3	0.0	28.1	2.226	186.8
2.8	-1.4	-0.113	339.4	0.0	29.0	2.302	181.9
1.1	-0.5	-0.038	334.5	0.0	30.0	2.377	176.9

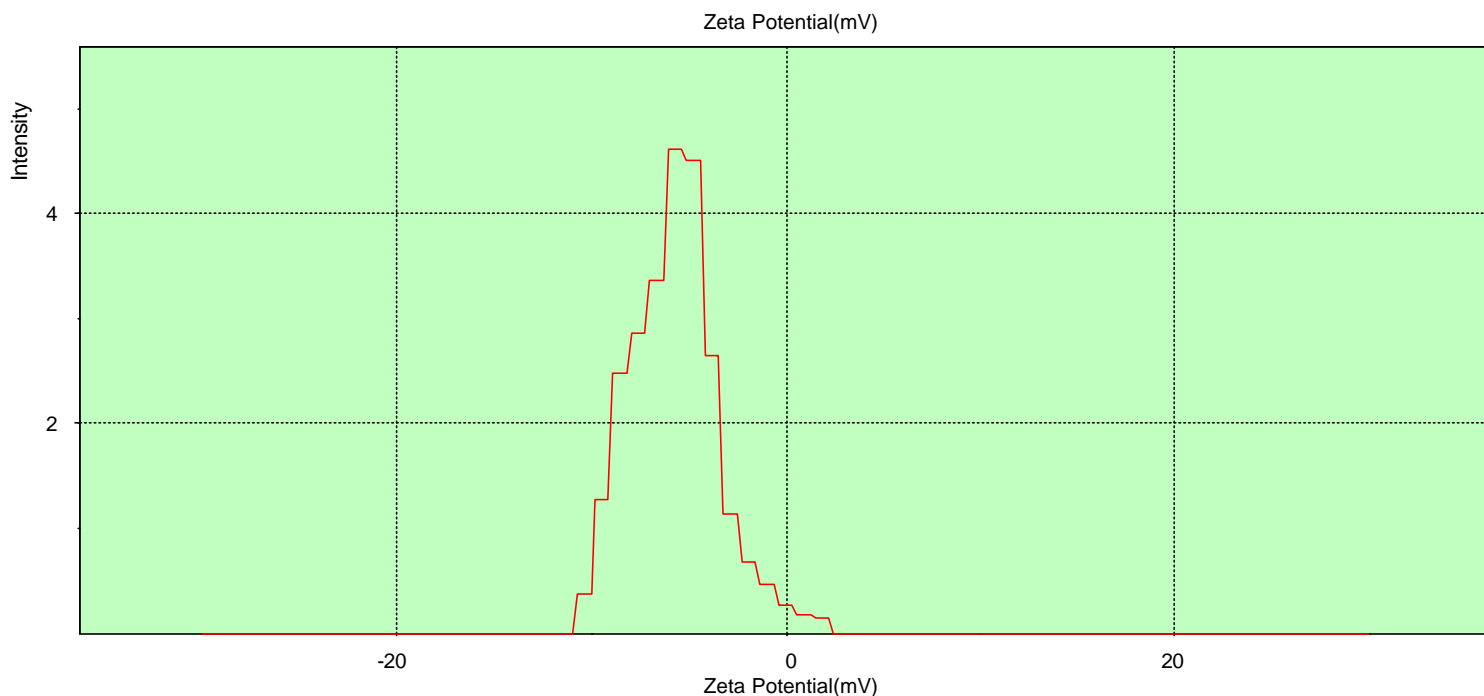
Peak Analysis by Zeta pot.			
Peak	Amp	Mean	Width
1	100.0	-5.7	2.6

Peak Analysis by Mobility			
Peak	Amp	Mean	Width
1	100.0	-0.5	0.2

Peak Analysis by Frequency			
Peak	Amp	Mean	Width
1	100.0	361.4	13.3



Mean(mV)    Width(mV)    Time    Date    Function    Temp.(°C)    Visc.(cP)    Title  
 -5.7        2.6        12:23:06    1/04/01    Zeta Pot. 25.0    0.890        Amsilver 22 ppm