

## Zeta Potential Report

Mesosilver <  
15 ppm particles  
fsk

### Sample

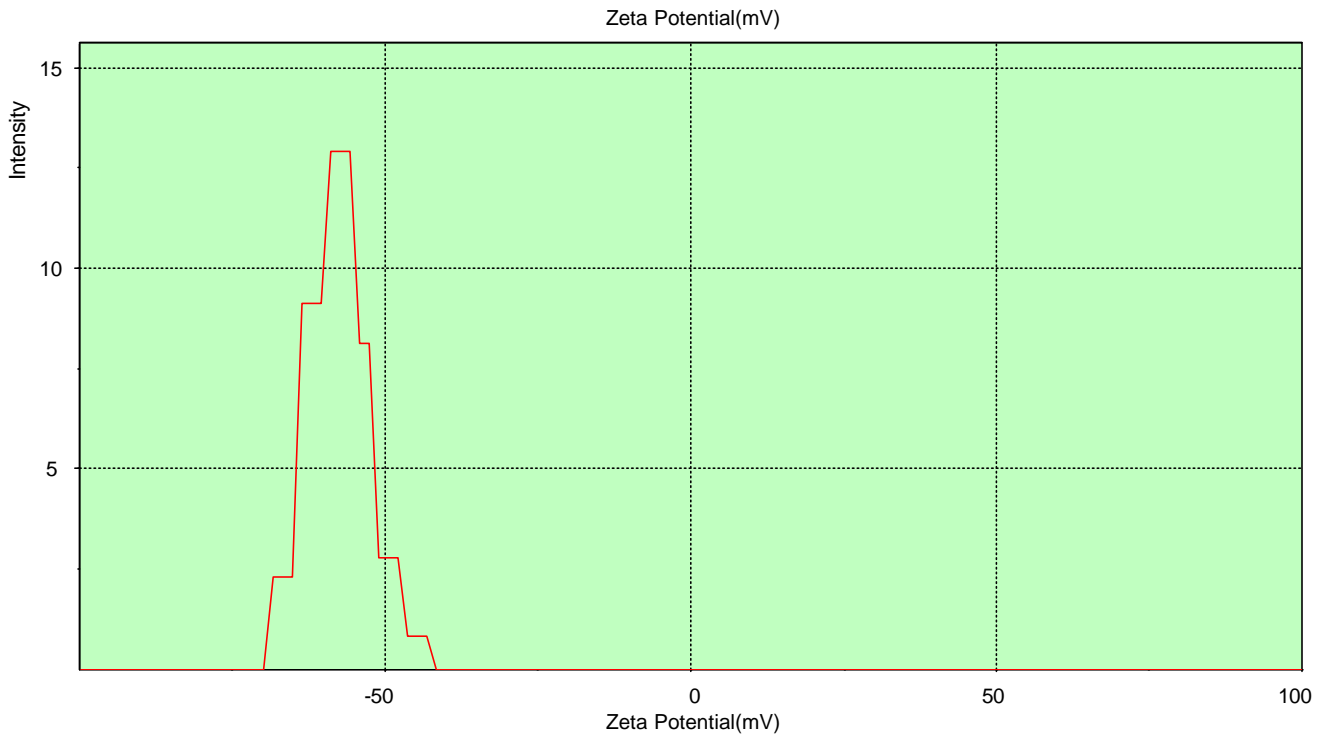
Record Number: 2  
Filename: Live zeta  
File Path: .  
Dielectric Constant: 79.7  
pH: 2.50  
Viscosity (cP): 0.890  
Date (DMY): 25/07/01  
Time: 11:38:19

### System

Instrument Type: Zetasizer 3000HS  
Temperature (°C): 25.0  
Count rate (kCps): 4181.8  
Cell Type: Capillary cell  
Cell Position (%): 50.00  
Cell field (V/cm): 29.3  
Current (mA): 0.0

### Result

Zeta Potential (mV):	-57.3	Mobility (umcm/V.s):	-4.544
StDev (mV):	1.6	StDev (umcm/V.s):	0.125
Conductivity (mS/cm):	0.00	F(ka):	1.50

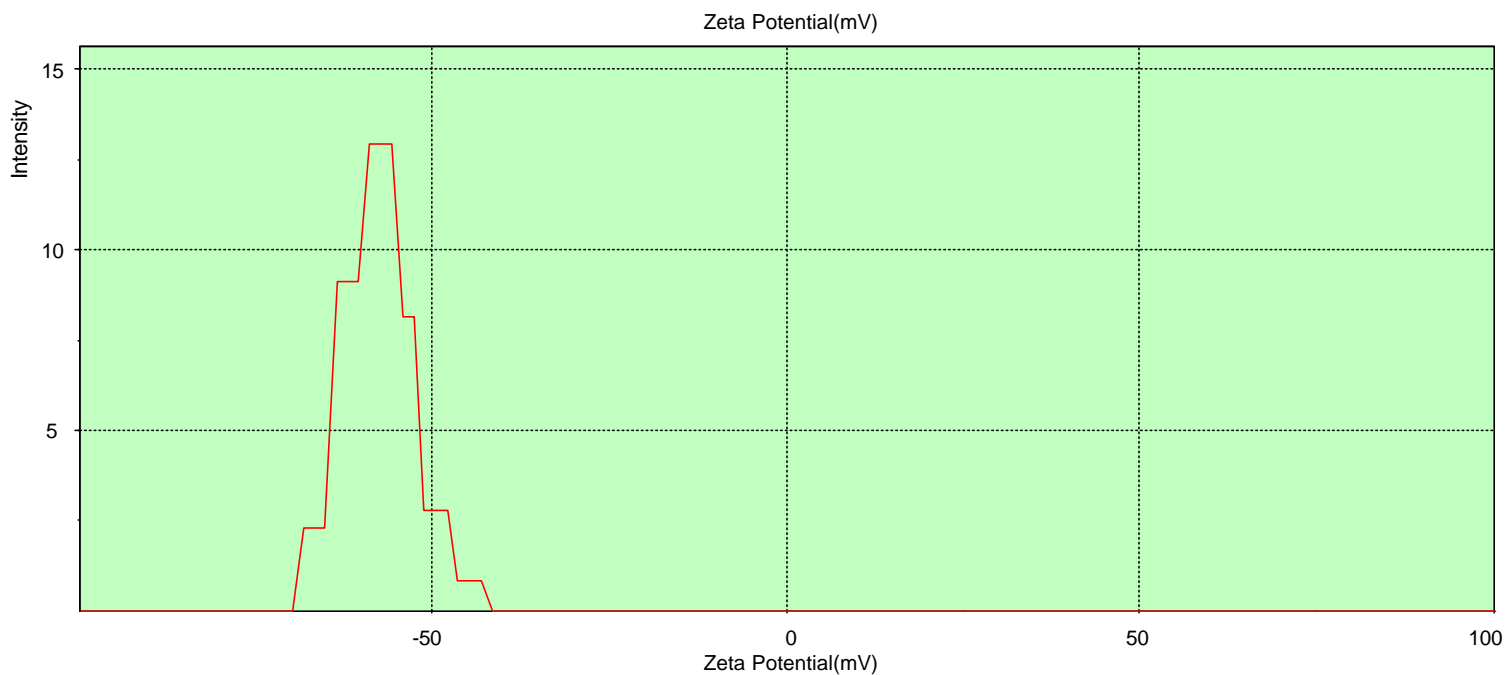


Int.	Zeta(mV)	Mob( $\mu\text{mcm/Vs}$ )	Freq.(Hz)	Int.	Zeta(mV)	Mob( $\mu\text{mcm/Vs}$ )	Freq.(Hz)
0.0	-200.0	-15.849	507.9	0.0	3.2	0.252	284.7
0.0	-193.7	-15.346	500.9	0.0	9.5	0.755	277.7
0.0	-187.3	-14.843	494.0	0.0	15.9	1.258	270.7
0.0	-181.0	-14.340	487.0	0.0	22.2	1.761	263.7
0.0	-174.6	-13.837	480.0	0.0	28.6	2.264	256.8
0.0	-168.3	-13.333	473.0	0.0	34.9	2.767	249.8
0.0	-161.9	-12.830	466.1	0.0	41.3	3.270	242.8
0.0	-155.6	-12.327	459.1	0.0	47.6	3.774	235.8
0.0	-149.2	-11.824	452.1	0.0	54.0	4.277	228.8
0.0	-142.9	-11.321	445.1	0.0	60.3	4.780	221.9
0.0	-136.5	-10.818	438.2	0.0	66.7	5.283	214.9
0.0	-130.2	-10.315	431.2	0.0	73.0	5.786	207.9
0.0	-123.8	-9.811	424.2	0.0	79.4	6.289	200.9
0.0	-117.5	-9.308	417.2	0.0	85.7	6.793	194.0
0.0	-111.1	-8.805	410.2	0.0	92.1	7.296	187.0
0.0	-104.8	-8.302	403.3	0.0	98.4	7.799	180.0
0.0	-98.4	-7.799	396.3	0.0	104.8	8.302	173.0
0.0	-92.1	-7.296	389.3	0.0	111.1	8.805	166.1
0.0	-85.7	-6.793	382.3	0.0	117.5	9.308	159.1
0.0	-79.4	-6.289	375.4	0.0	123.8	9.811	152.1
0.0	-73.0	-5.786	368.4	0.0	130.2	10.315	145.1
10.3	-66.7	-5.283	361.4	0.0	136.5	10.818	138.2
40.9	-60.3	-4.780	354.4	0.0	142.9	11.321	131.2
36.5	-54.0	-4.277	347.5	0.0	149.2	11.824	124.2
12.4	-47.6	-3.774	340.5	0.0	155.6	12.327	117.2
0.0	-41.3	-3.270	333.5	0.0	161.9	12.830	110.2
0.0	-34.9	-2.767	326.5	0.0	168.3	13.333	103.3
0.0	-28.6	-2.264	319.5	0.0	174.6	13.837	96.3
0.0	-22.2	-1.761	312.6	0.0	181.0	14.340	89.3
0.0	-15.9	-1.258	305.6	0.0	187.3	14.843	82.3
0.0	-9.5	-0.755	298.6	0.0	193.7	15.346	75.4
0.0	-3.2	-0.252	291.6	0.0	200.0	15.849	68.4

Peak Analysis by Zeta pot.			
Peak	Amp	Mean	Width
1	100.0	-57.3	1.6

Peak Analysis by Mobility			
Peak	Amp	Mean	Width
1	100.0	-4.5	0.1

Peak Analysis by Frequency			
Peak	Amp	Mean	Width
1	100.0	351.2	1.7



RedMean(mV)    Width(mV)    Cond.(mS/cm $\mu\text{H}$ )    Title  
 2    -57.3    1.6    0.00167    2.50    Mesosilver <