ZetaQ Report

Sample

Name	: GNP10.3.16_1.24_20k			
Mesured On	: 10.03.2016 16:14			
by	: --	**logged as**	: Admin	
Comments from admin	:			
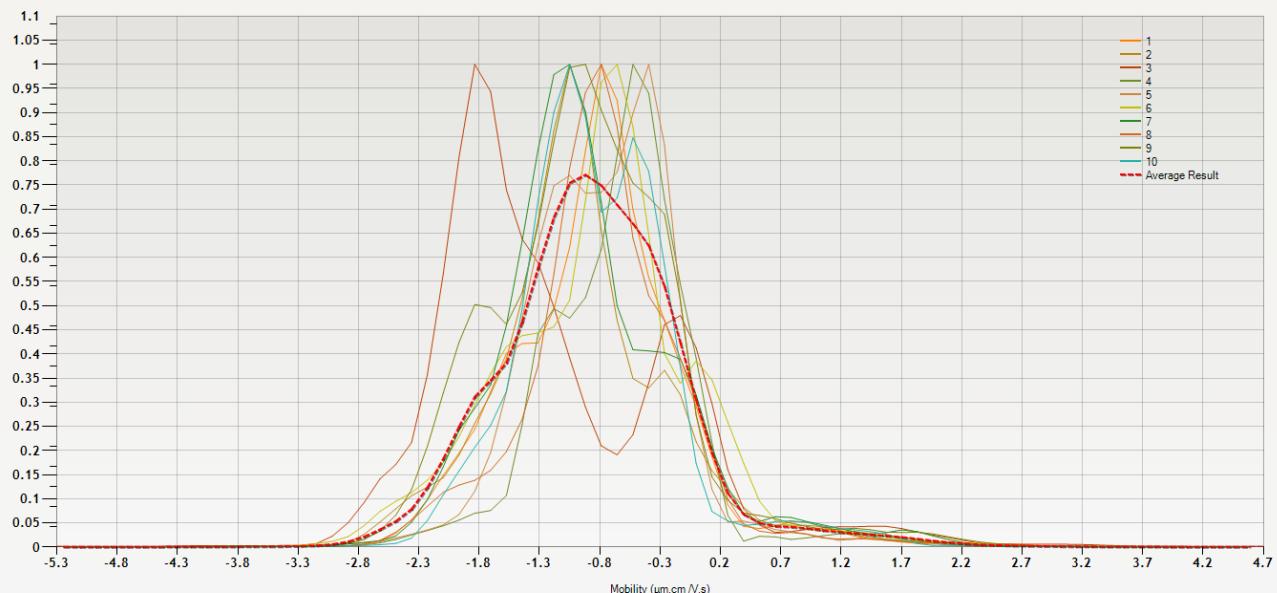
SOP

Name	: Default	**Resolution**	: MEDIUM
Laser Power	: 60%	**Electrode Distance**	: 5 mm
# Measure per sequence	: 10	**pH**	: unknown
		Temperature	: 25.0 °C

Zeta potential calculation:

Solvant	: Water	**Henry function:** Smoluchowski
Dielectric Constant	: 78.06	**Viscosity:** 0.888 cP
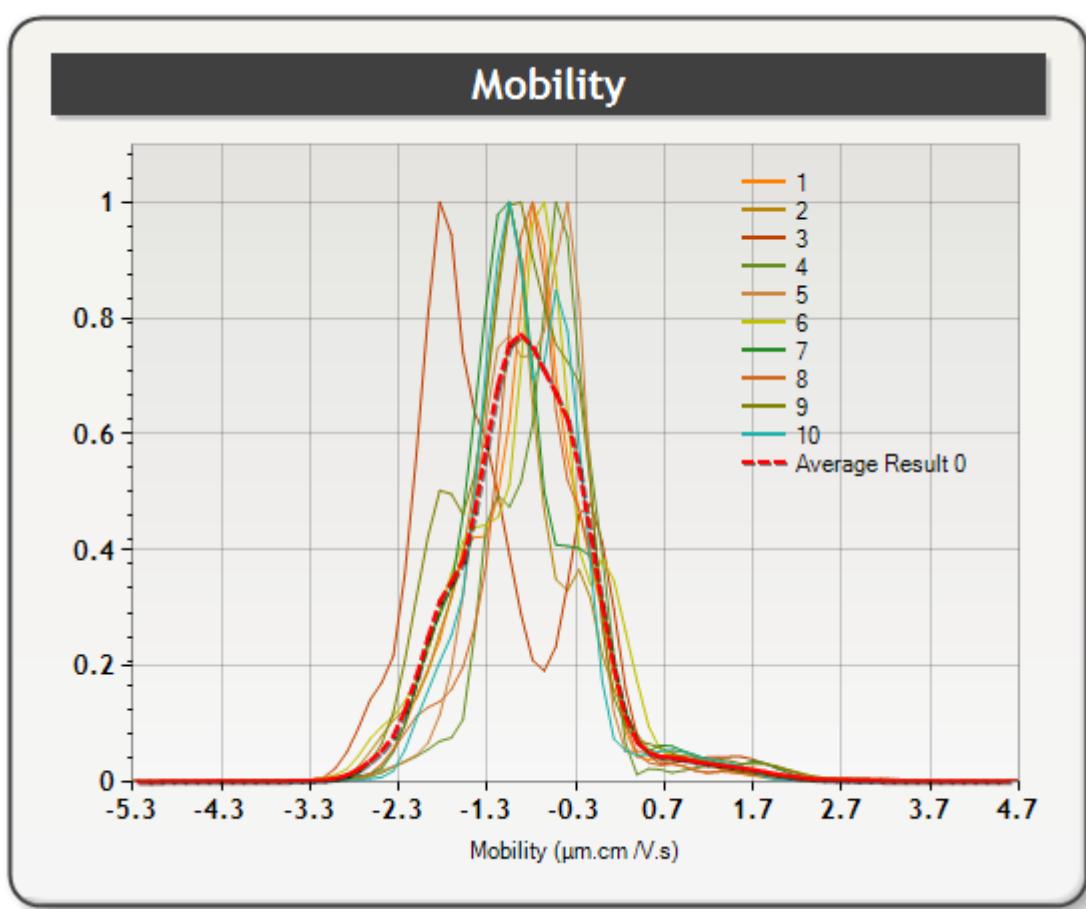
Mobility

<m>: -0.94 (µm.cm/V.s) **s:** 0.38 **<z>:** -12.13(mV) **s:** 4.87

10.03.2016 16:16	**Temperature:** *25.0 °C* **pH** : *unknown*

Dielectric Constante	: *78.06*	**Viscosity**	: *0.888 cP*
Conductivity indicator	: *5.194 V*	**Applied field**	: *20.27 V/cm*
Reference intensity	: *597 kcps*	**Scattering intensity**	: *676 kcps*
Carrier frequency	: *8108 Hz*		

Values

#	Valid	Raw		Fit			
		μ (µm.cm/V.s)	z (mV)	μ (µm.cm/V.s)	s	z (mV)	s
Avg		-0.94	-12.13	-0.91	0.49	-11.72	6.24
1		-0.79	-10.11	-0.78	0.46	-9.98	5.88
2		-1.05	-13.48	-1.05	0.43	-13.45	5.53
3		-1.83	-23.59	-1.68	0.48	-21.62	6.14
4		-0.52	-6.74	-0.54	0.41	-6.95	5.29
5		-0.39	-5.05	-0.7	0.53	-9	6.76
6		-0.79	-10.11	-0.72	0.5	-9.26	6.38
7		-1.18	-15.16	-1.06	0.49	-13.64	6.26
8		-0.79	-10.11	-0.8	0.42	-10.24	5.45
9		-1.05	-13.48	-0.91	0.63	-11.64	8.05
10		-1.05	-13.48	-0.89	0.52	-11.43	6.7