

Sample

Name : GNP14.3.16_0.8_10k
Mesured On : 14.03.2016 12:24
by : -- **logged as** : Admin
Comments from admin :

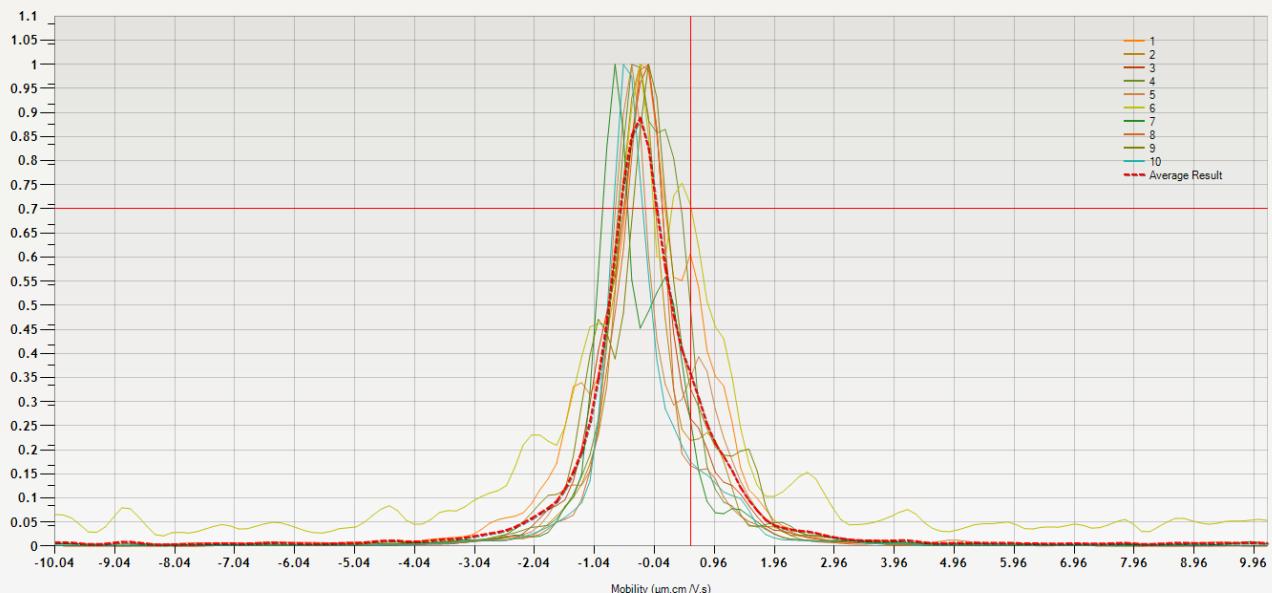
SOP

| | | | |
|------------------------------------|-----------------------|---------------------------|-----------|
| Name | : GNP14.3.16_0.8_10k0 | 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



Sequence

$\langle m \rangle$: -0.35 ($\mu\text{m.cm/V.s}$) S: 0.17 $\langle Z \rangle$: -4.48(mV) S: 2.16

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Temperature: 25.0 °C **pH** : unknown

Dielectric Constante : 78.06

Viscosity : 0.888 cP

Conductivity indicator : 4.965 V

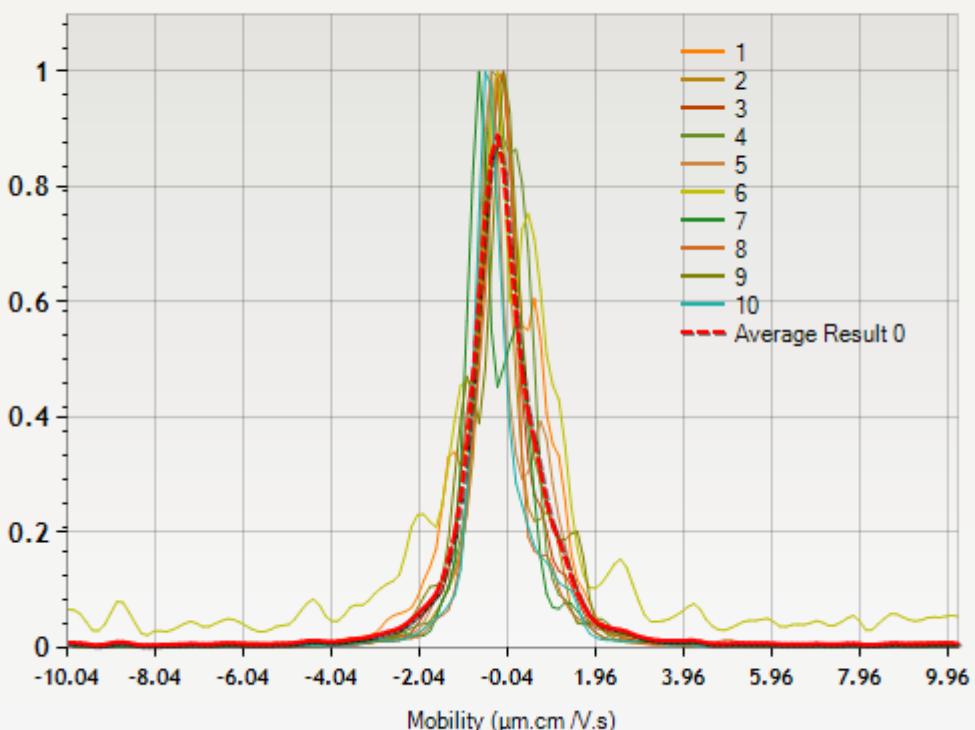
Applied field : 19.05 V/cm

Reference intensity : 1575 kcps

Scattering intensity : 1782 kcps

Carrier frequency : 8032 Hz

Mobility



Values

| # | Valid | Raw | | Fit | | | |
|-----|-------|-----------------------------------|-----------|-----------------------------------|-------|-----------|--------|
| | | μ ($\mu\text{m.cm/V.s}$) | Z (mV) | μ ($\mu\text{m.cm/V.s}$) | S | Z (mV) | S |
| Avg | | -0.35 | -4.48 | -0.27 | 0.53 | -3.51 | 6.78 |
| 1 | þ | -0.28 | -3.59 | -0.14 | 0.67 | -1.83 | 8.68 |
| 2 | þ | -0.28 | -3.59 | -0.29 | 0.42 | -3.71 | 5.44 |
| 3 | þ | -0.14 | -1.79 | -0.24 | 0.51 | -3.15 | 6.5 |
| 4 | þ | -0.42 | -5.38 | -0.15 | 0.58 | -1.97 | 7.45 |
| 5 | þ | -0.42 | -5.38 | -0.39 | 0.43 | -5.07 | 5.54 |
| 6 | þ | -0.28 | -3.59 | -0.11 | -0.89 | -1.38 | -11.47 |
| 7 | þ | -0.7 | -8.96 | -0.58 | 0.45 | -7.48 | 5.74 |
| 8 | þ | -0.28 | -3.59 | -0.23 | 0.41 | -2.89 | 5.31 |
| 9 | þ | -0.14 | -1.79 | -0.14 | 0.54 | -1.8 | 6.91 |
| 10 | þ | -0.56 | -7.17 | -0.45 | 0.37 | -5.81 | 4.72 |