Zeta potential analyzer Zetasizer Nano ZS

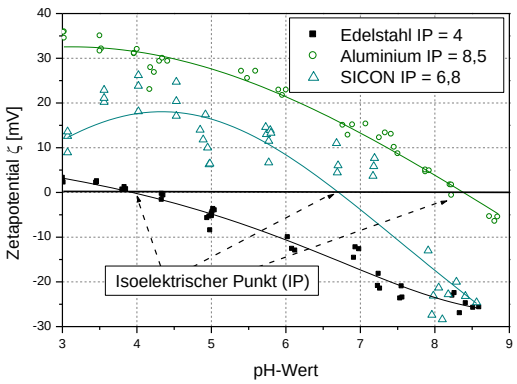
Technische Universität Braunschweig | Institute for Chemical and Thermal Process Engineering
ictv@tu-braunschweig.de | Telephone +49 (0) 531 391-2781

Principal of measurement

- Detection of resistance changing
- Dynamic light scattering
- Migration of colloidal particles under exposure to an electrical field

Measuring possibilities

- Zeta potential
- Particle size distribution
- pH variation
- Variation of additive
- Relative molecular mass



Measuring range

- Zeta potential measurement: M3-Pals 5 nm-10µm
- Particle size: N, BS 0,6 nm – 6 µm
- Relative molecular mass: 1000 – 2 x 10^7 Da

Accaccessories

- MPT-2 automatic titrator

Duration of experiment

- Dependent on the sample: up to several hours.

Technische Universität Braunschweig

Institut für Chemische und Thermische Verfahrenstechnik ICTV