



STABILITY ANALYSIS OF GREEN TEA WITH THE STABINO ZETA

The measuring principle

The Microtrac STABINO ZETA system is a flow / zeta potential titration machine with a zeta potential measurement within seconds and integrated titration within minutes. Most samples can be analysed in their original concentration. This opens up new applications in production and quality assurance in the beverage industry. In many applications, the particle charge and particle size as well as the agglomeration behaviour of a beverage are characteristic, as in the case of green tea.

The particle interfacial potential, which is measured in the STABINO ZETA, represents the level of electrostatic repulsion between particles and is dependent on the pH value, the conductivity and the polyelectrolyte environment. The titration result is characteristic of the sample.



Fig. 1: STABINO ZETA