APPLICATION NOTE

MICROTRAC MRB

PARTICLE CHARACTERIZATION

part of VERDER scientific

Flocculant optimized by charge titration with StabinoZeta

Recycling the water of a magenta pigment suspension was initiated with a 7 mL/L $FeCl_3$ solution. The flocculation immediately starts. However, it saturates and never reaches 100% where the pigment interface potential is expected to be zero (Fig.1).

To complete the flocculation by bringing the potential to zero, cationic polymer solution is added after a given dose of FeCl3. The cost of this process depends on the optimum switching moment from $FeCl_3$ to the polymer. The Volume

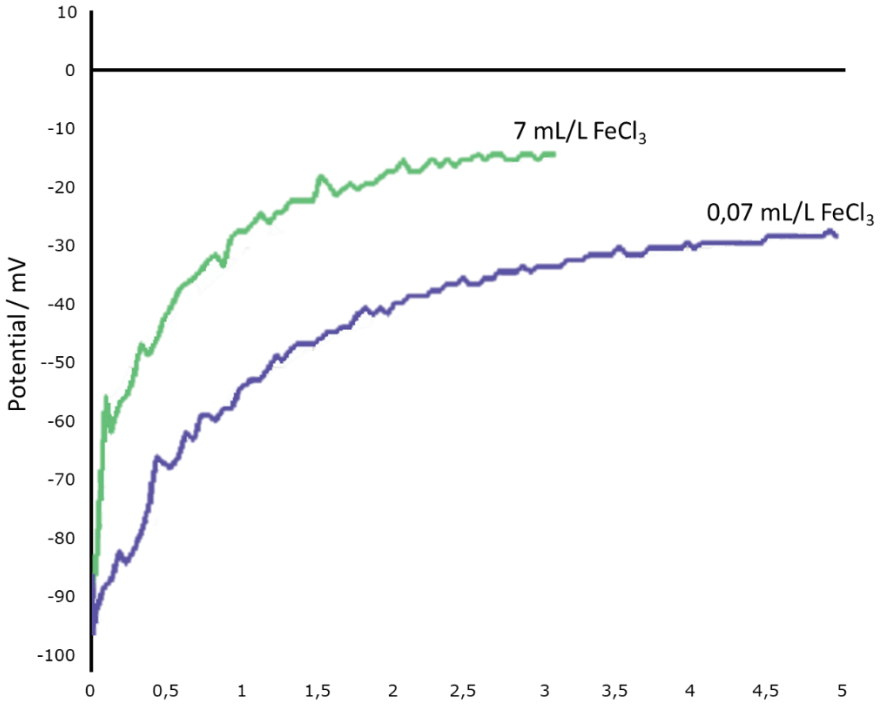

Figure 1