**Determination of bromide ion IN solution AFTER sorption ON SME, SMC AND SMW**

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**Abstract**

Releasing of bromide ion in solution on sorption of CrO42- by surfactant modified Erionite, Cowlesite and Willhendersonite (SME, SMC and SMW) were carried out using the batch method (DIN 38406/16), batch sorption experiments were conducted by diluted sample (10ml), 1ml (KCl-sodium acetate solution, pH=4.6±0.2) and 0.1ml standard solution of CrO42- (1.0μg/L). Samples were prepared by 0.014 mol/L c(HNO3). The exact concentrations of bromide ion were determined by 797VA computrace ion analyzer (Metrohm). The percentage of bromide ion released was determined for the sorption system at pH 7, time 7 hours, sorbent dose 100mg for attaining equilibrium as given in table 1 and fig.1.

**Keywords:** Bromide ion, Erionite, Cowlesite and Willhendersonite.