**Tables**

**Table** **I**. Summary of the Titration Data Used for this Study

Initial total concentration (mmol.dm-3) of metal (CM), acetate (CL), hydrochloric acid (CH) and number of experimental observations (n). Exp.: Experiment symbol, R: Metal to ligand ratio.

**Table II:** Global StabilityConstants for Gallium (III)-acetate complexes and hydroxides in Aqueous Solution at 37 °C and I = 0.15 mol.dm-3 NaCl.

$β\_{pqr}= \frac{[M\_{p}L\_{q}H\_{r}]}{[M]^{p}[L]^{q}[H]^{r}}$where σ = sample standard deviation, χ2 = statistical

parameter given by SUPERQUAD; n = number of experimental observations.

**Table III**. Speciation and activity product of Ga(OH)3 obtained from Experiment 7 of the Ga-ACT system using SIMDIS program and the formation constants taken from Table II. Percentages are relative to total metal concentration.