

COMPONENTS: (1) Cobalt, bis(4-amino-N-2-thiazolyl-benzenesulfonamido-N ₁ O)-, hydrate; $C_{18}H_{16}CoN_6O_4S_4 \cdot nH_2O$; [86729-22-8] (2) Hydrochloric acid; HCl; [7647-01-0] (3) Water; H ₂ O; [7732-18-5]	ORIGINAL MEASUREMENTS: Tskitishvili, M. G.; Mikadze, I. I. <i>Soobshch. Akad. Nauk Gruz. SSR</i> <u>1978</u> , 89(3), 589-92.
VARIABLES: <p style="text-align: center;">pH</p>	PREPARED BY: <p style="text-align: center;">R. Piekos</p>
EXPERIMENTAL VALUES: <p style="text-align: center;">K_{sO} over the HCl concentration range $2.5 \times 10^{-2} - 2.5 \times 10^{-5}$ mol cm⁻³, at 25°C, is 2.46×10^{-12}.</p>	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: <p>In a glass vessel, a mixt of 100 ml of HCl of appropriate concn and the solute was placed and shaken for 6 h in a water thermostat at 25°C. After attaining equilibrium, the pH of the soln was measured and the Co²⁺ and S content detd to calculate K_{sO}.</p>	SOURCE AND PURITY OF MATERIALS: <p>Nothing specified.</p> <hr/> ESTIMATED ERROR: <p>Nothing specified.</p> <hr/> REFERENCES: