COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) Nickel, bis(4-amino-N-2-thiazolylbenzenesulfonamidato-$\underline{N}^{N}$,$\underline{O}$)- hydrate; $C_{18}H_{16}N_6NiO_4S_4 \cdot nH_2O$; [84812-76-0] (2) Hydrochloric acid; HCl; [7647-01-0] (3) Water; H_2O; [7732-18-5]	Tskitishvili, M. G.; Shvelashvili, A. E.; Mikadze, I. I.; Zhorzholiani, N. B.; Chrelashvili, M. V. *Izv. Akad. Nauk Gruz. SSR. Ser. Khim.* 1981, *7(4)*, 300-4.
VARIABLES:	PREPARED BY:
pH	R. Piekos

EXPERIMENTAL VALUES:

Concentration of HCl (mol/l)	pH	10^{12} K_{so} at 25°C
2.5×10^{-2}	6.62	3.29
1.0×10^{-2}	7.28	3.24
5.0×10^{-3}	8.01	3.23
2.5×10^{-3}	8.30	3.22
1.0×10^{-3}	8.78	3.22
5.0×10^{-4}	8.80	3.30
2.5×10^{-4}	8.89	3.28
1.0×10^{-4}	8.90	3.25
5.0×10^{-5}	8.90	3.23
2.5×10^{-5}	8.90	3.22
	Mean	3.25

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:

The earlier described apparatus and method was used (1): in a glass vessel, a mixt of 100 ml of HCl of appropriate concn and the solute were 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 Ni^{2+} and S content was determined to calculate K_{so}. The pH was measured on a pH-673 pH meter.

SOURCE AND PURITY OF MATERIALS:

0.1M solns of chemically pure $Ni(OAc)_2$, monosodium salt of sulfathiazole, and HCl as well as doubly distd water were used. The source of the materials was not specified.

ESTIMATED ERROR:

K_{so}: std deviation 1×10^{-13} (compiler).
Temp and pH: not specified.

REFERENCES:

1. Tskitishvili, M. G.; Mikadze, I. I. *Soobshch. Akad. Nauk Gruz. SSR* 1978, *89(3)*, 589.