

|  |   |
|--|---|
| <b>COMPONENTS:</b><br>(1) Copper, bis(4-amino-N-2-thiazolyl-benzenesulfonamido-N <sub>0</sub> )-,hydrate;<br>$C_{18}H_{16}CuN_6O_4S_4 \cdot nH_2O$ ; [86729-21-7]<br>(2) Hydrochloric acid; HCl; [7647-01-0]<br>(3) Water; H <sub>2</sub> O; [7732-18-5]   | <b>ORIGINAL MEASUREMENTS:</b><br>Tskitishvili, M. G.; Mikadze, I. I.<br><i>Soobshch. Akad. Nauk Gruz. SSR</i><br><u>1978</u> , 89(3), 589-92.   |
| <b>VARIABLES:</b><br><p style="text-align: center;">pH</p>   | <b>PREPARED BY:</b><br><p style="text-align: center;">R. Piekos</p>   |
| <b>EXPERIMENTAL VALUES:</b><br><p style="text-align: center;">K<sub>SO</sub> over the HCl concentration range <math>2.5 \times 10^{-2} - 2.5 \times 10^{-5} \text{ mol dm}^{-3}</math>,<br/>         at 25°C, is <math>2.17 \times 10^{-17}</math>.</p>  |   |
| <b>AUXILIARY INFORMATION</b>   |   |
| <b>METHOD/APPARATUS/PROCEDURE:</b><br>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 Cu <sup>2+</sup> and S content was detd to caluculate K <sub>SO</sub> . | <b>SOURCE AND PURITY OF MATERIALS:</b><br>Nothing specified.<br><hr/> <b>ESTIMATED ERROR:</b><br>Nothing specified.<br><hr/> <b>REFERENCES:</b> |