

<b>COMPONENTS:</b> (1) Acetamide, N-[(4-aminophenyl)sulfonyl]-N-(3,4-dimethyl-5-isoxazolyl)-(N <sup>1</sup> -acetylsulfisoxazole); C <sub>13</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub> S; [80-74-0] (2) Phosphoric acid, monopotassium salt; KH <sub>2</sub> PO <sub>4</sub> ; [7778-77-0] (3) Sodium hydroxide; NaOH; [1310-73-2] (4) Water; H <sub>2</sub> O; [7732-18-5]	<b>ORIGINAL MEASUREMENTS:</b> Muzakami, S.; Nagata, K. <i>Ann. Rept. Shionogi Res. Lab.</i> 1956, 6, 58-64.														
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<b>METHOD/APPARATUS/PROCEDURE:</b> About 100 mg of N <sup>1</sup> -acetylsulfisoxazole was placed in a flask and 100 cm <sup>3</sup> of the buffer soln of a known pH was added. The mixt was vigorously agitated for 4 h in a water bath at 37.0±0.2°C and filtered through a Toyo No. 6 filter paper, keeping the temp at about 40°C. The first 10 cm <sup>3</sup> of the filtrate was discarded and in the following 15 cm <sup>3</sup> , kept still at about 40°C, the sulfonamide concn was detd colorimetrically at 540 nm using a Tsuda reagent and a Beckman Model B spectrophotometer.	<b>SOURCE AND PURITY OF MATERIALS:</b> N <sup>1</sup> -acetylsulfisoxazole was synthesized by the authors and dried over CaCl <sub>2</sub> . The source and purity of the remaining materials was not specified.  <b>ESTIMATED ERROR:</b> Soly: the error was below ±3% (authors). Temp: ±0.2°C (authors); pH: not specified ( a Beckman type G pH meter was used ).  <b>REFERENCES:</b>														

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