# COMPONENTS:

- (1) Benzenesulfonamide, 4-amino-N-4H-1,2,4triazol-4-yl-; C<sub>8</sub>H<sub>9</sub>N<sub>5</sub>O<sub>2</sub>S; [17103-50-3]
- (2) Water; H<sub>2</sub>0; [7732-18-5]

# ORIGINAL MEASUREMENTS:

Anderson, G. W.; Faith, H. E.; Marson, H.W.; Winnek, P. S.; Roblin, R. O., Jr. J. Am. Chem. Soc. 1942, 64, 2902-5.

## VARIABLES:

One temperature: 37°C

PREPARED BY:

R. Piekos

## EXPERIMENTAL VALUES:

Solubility of 4-amino-N-4H-1,2,4-triazole-4-ylbenzenesulfonamide in water at  $37^{\circ}$ C is 216 mg/100 cm<sup>3</sup> solution ( 9.03 x  $10^{-3}$  mol dm<sup>-3</sup>, compiler ).

# AUXILIARY INFORMATION

# METHOD/APPARATUS/PROCEDURE:

Excess sulfonamide in water was heated and stirred on a steam bath for 30 min. The suspension was then agitated for 24 h in a thermostat. A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed with those of the standards.

# SOURCE AND PURITY OF MATERIALS:

The sulfonamide, mp 237°C (cor) was prepd by the authors. Anal: %C 40.1 (calcd 40.2); %H 3.8 (3.8); %N 29.4 ( 29.3 ). Purity of the water was not specified.

# ESTIMATED ERROR:

Nothing specified.

# REFERENCES:

1. Bratton, A. C.; Marshall, E. K., Jr. J. Pharmacol. 1939, 66, 4.