

<b>COMPONENTS:</b> (1) Benzenesulfonamide, 4-amino-N-2-thiazolyl-, monosodium salt (sodium sulfathiazole); $C_9H_8N_3NaO_2S_2$ ; [144-74-1] (2) Water; $H_2O$ ; [7732-18-5]	<b>ORIGINAL MEASUREMENTS:</b> Clark, W. G.; Strakosch, E. A.; Levitan, N. I. <i>J. Lab. Clin. Med.</i> <u>1942</u> , <i>28</i> , 188-9.											
<b>VARIABLES:</b> Temperature	<b>PREPARED BY:</b> R. Piekos											
<b>EXPERIMENTAL VALUES:</b>  <table border="1" data-bbox="254 602 901 854"> <thead> <tr> <th rowspan="2"><math>t/^\circ C</math></th> <th colspan="2">Solubility</th> </tr> <tr> <th>g/100 g water</th> <th>mol <math>kg^{-1}</math> water<sup>a</sup></th> </tr> </thead> <tbody> <tr> <td>25</td> <td>45.0</td> <td>1.62</td> </tr> <tr> <td>37</td> <td>60.0</td> <td>2.16</td> </tr> </tbody> </table> <p data-bbox="277 923 561 952"><sup>a</sup>Calculated by compiler</p>		$t/^\circ C$	Solubility		g/100 g water	mol $kg^{-1}$ water <sup>a</sup>	25	45.0	1.62	37	60.0	2.16
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<b>AUXILIARY INFORMATION</b>												
<b>METHOD/APPARATUS/PROCEDURE:</b> A small tinted glass container contg excess Na sulfathiazole in water was shaken in a water bath thermostat for 24 h. The satd soln was then filtered by aspiration through a washed and dried asbestos filter stick into a weighed weighing bottle. The entire app was kept at the temp at which the compd was dissolved. The amt dissolved was the detd by the method of Bratton and Marshall (1), using a photoelectric colorimeter.	<b>SOURCE AND PURITY OF MATERIALS:</b> Neither source nor purity of Na sulfathiazole was specified. $CO_2$ -free distd water was used.  <b>ESTIMATED ERROR:</b> Soly: not specified. Temp: $\pm 0.1^\circ C$ (authors).  <b>REFERENCES:</b> 1. Bratton, A.C.; Marshall, E. K. Jr. <i>J. Biol. Chem.</i> <u>1939</u> , <i>128</i> , 537.											