

<b>COMPONENTS:</b> (1) [[4-(Aminosulfonyl)phenyl]amino - methanesulfonate, sodium; $C_7H_9N_2NaO_5S_2$ ; [138-43-2] (2) 2-Propanone (acetone); $C_3H_6O$ ; [67-64-1]				<b>ORIGINAL MEASUREMENTS:</b> Gutierrez, F. H. <i>Anales fis. quim. (Madrid)</i> 1945, 41, 537-60.			
<b>VARIABLES:</b> Temperature				<b>PREPARED BY:</b> R. Piekos			
<b>EXPERIMENTAL VALUES:</b>							
$t/^\circ C$	$G^a$	$E^b$	$X_g/l^c$	$mol/l^d$ acetone	$mmol/mol$ acetone	$1:X_g^e$	$1 + X_{cc}^f$
0	0.0025	0.0025	0.020	0.069	0.00503	40000	50000
5	0.0045	0.0045	0.036	0.125	0.00906	22222	27777
10	0.0050	0.0050	0.040	0.139	0.00107	20000	25000
15	0.0066	0.0066	0.053	0.183	0.01329	15151	18867
20	0.0082	0.0082	0.065	0.225	0.01651	12195	15384
25	0.010	0.0099	0.079	0.273	0.02014	10000	12658
30	0.014	0.0139	0.109	0.379	0.02820	7143	9174
35	0.013	0.0139	0.108	0.374	0.02820	7143	9259
40	0.022	0.0219	0.169	0.586	0.04472	4545	5911
45	0.031	0.0309	0.236	0.888	0.06249	3290	4238
50	0.038	0.0379	0.287	0.995	0.07655	2631	3487
$a G = \frac{p}{P-p} \cdot 100$ , where p and P are the weights of solute and solution, resp. $b E = \frac{G}{G+100} \cdot 100$ ; $c$ g/l acetone; $d$ should be mmol/l (compiler); $e$ g of acetone required to dissolve 1 g of solute; $f$ volume ( $cm^3$ ) of acetone required to dissolve 1 g of solute.							
<b>AUXILIARY INFORMATION</b>							
<b>METHOD/APPARATUS/PROCEDURE:</b> A special all-glass app was constructed enabling the prepn of satd solns, agitation by bubbling a stream of acetone-satd N, filtration, and distn off the solvent without contact with air. Two exchangeable dissoln vessels of 15 and 8 $cm^3$ capacity were used depending on the soly of solute. The app was immersed in a thermostat. The vols of acetone used were 15 or 8 $cm^3$ , and the equilibration time was 2-2.5 h. The satd solns were filtered, the residues were dried at 105 $^\circ C$ , weighed, and examd for the presence of solvated acetone.				<b>SOURCE AND PURITY OF MATERIALS:</b> The source of the materials was not specified. Pure, anhyd acetone was used. The absence of impurities and water in it was confirmed by procedures of the German Pharmacopeia VI and Spanish Pharmacopeia VIII. The purity of the solute was not specified.			
				<b>ESTIMATED ERROR:</b> Soly: measurements were repeated until 2 values not differing in the second decimal were obtained (author). Temp: $\pm 0.1^\circ C$ (author).			
				<b>REFERENCES:</b>			