

Solubility of DL-*p*-hydroxyphenylglycine Sulfate in Binary Acetone + Water Solvent Mixtures. G.-B. Ren,* J.-K. Wang, Q.-X. Yin, and M.-J. Zhang, *J. Chem. Eng. Data* 2004, 49, 1376–1378.

Table 1, Table 2 and Figure 2 in the above reference contained errors. The correct Table 1, Table 2, and Figure 2 follow.

Table 1. Experimental Solubilities (x_A) of DL-*p*-HPG Sulfate in Binary Acetone (B) + Water (C) Solvent Mixtures in the Temperature Range from 303.15 K to 323.00 K

x_C^o	$10^3 x_A$	$10^3 x_{A,calc}$	x_C^o	$10^3 x_A$	$10^3 x_{A,calc}$
<i>T</i> = 303.15 K			<i>T</i> = 308.45 K		
0.0000	0.0218	0.0218	0.0000	0.0270	0.0270
0.2437	0.0150	0.0149	0.2437	0.0147	0.0147
0.3919	0.0322	0.0323	0.3919	0.0341	0.0343
0.4916	0.0699	0.0698	0.4916	0.0780	0.0776
0.5631	0.1293	0.1294	0.5631	0.1461	0.1460
0.6591	0.2951	0.2974	0.6591	0.3360	0.3352
0.7205	0.4964	0.4868	0.7205	0.5428	0.5444
0.7632	0.6611	0.6614	0.7632	0.7346	0.7368
0.8011	0.8303	0.8394	0.8011	0.9401	0.9358
0.8430	1.0434	1.0423	0.8430	1.1700	1.1726
0.8896	1.2366	1.2375	0.8896	1.4311	1.4282
0.9415	1.3517	1.3528	0.9415	1.6484	1.6516
1.0000	1.2842	1.2822	1.0000	1.7522	1.7509
<i>T</i> = 314.20 K			<i>T</i> = 319.05 K		
0.0000	0.0337	0.0337	0.0000	0.0354	0.0354
0.2437	0.0156	0.0155	0.2437	0.0163	0.0163
0.3919	0.0370	0.0373	0.3919	0.0405	0.0403
0.4916	0.0868	0.0860	0.4916	0.0940	0.0943
0.5631	0.1624	0.1631	0.5631	0.1794	0.1796
0.6591	0.3774	0.3757	0.6591	0.4138	0.4137
0.7205	0.6096	0.6113	0.7205	0.6707	0.6716
0.7632	0.8276	0.8306	0.7632	0.9150	0.9107
0.8011	1.0658	1.0624	0.8011	1.1609	1.1633
0.8430	1.3446	1.3493	0.8430	1.4742	1.4771
0.8896	1.6890	1.6853	0.8896	1.8538	1.8492
0.9415	2.0435	2.0392	0.9415	2.2546	2.2543
1.0000	2.3387	2.3420	1.0000	2.6328	2.6339
<i>T</i> = 323.00 K			<i>T</i> = 323.00 K		
0.0000	0.0400	0.0400	0.7632	0.9869	0.9878
0.2437	0.0183	0.0182	0.8011	1.2581	1.2584
0.3919	0.0448	0.0450	0.8430	1.5856	1.5953
0.4916	0.1049	0.1049	0.8896	2.0007	1.9978
0.5631	0.1993	0.1987	0.9415	2.4510	2.4454
0.6591	0.4516	0.4534	1.0000	2.8866	2.8883
0.7205	0.7364	0.7313			

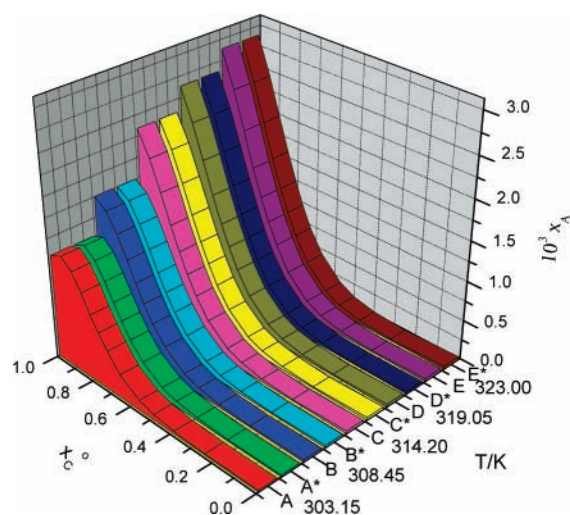


Figure 2. Comparison of the experimental and calculated values of the solubilities of DL-*p*-hydroxyphenylglycine (DL-*p*-HPG) sulfate in binary acetone (B) + water (C) solvent mixtures in the temperature range from 303.15 K to 323.00 K. Curves labeled with A, B, C, D, and E represent experimental solubilities at different temperatures. Curves labeled with A*, B*, C*, D*, and E* denote calculated solubilities at different temperatures.

Table 2. Curve-Fitting Parameters of DL-*p*-HPG Sulfate in Binary Acetone (B) + Water (C) Solvent Mixtures in the Temperature Range from 303.15 K to 323.00 K

<i>T</i> /K	B_0	B_1	B_2	B_3	B_4	10^3RMSD
303.15	-10.7294	-6.9035	24.4994	-9.5376	-3.9880	0.0038
308.45	-10.5163	-9.9616	37.0160	-27.4554	4.5697	0.0020
314.20	-10.2970	-11.7570	43.6806	-36.7971	9.1138	0.0027
319.05	-10.2479	-12.1241	45.8871	-40.2283	10.7741	0.0021
323.00	-10.1262	-12.2868	46.6857	-41.7079	11.5881	0.0055

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