

SOLUBILITY OF COMMON SALTS AT AMBIENT TEMPERATURES

This table gives the aqueous solubility of selected salts at temperatures from 10°C to 40°C. Values are given in molality terms.

References

1. Apelblat, A., *J. Chem. Thermodynamics*, 24, 619, 1992.
2. Apelblat, A., *J. Chem. Thermodynamics*, 25, 63, 1993.
3. Apelblat, A., *J. Chem. Thermodynamics*, 25, 1513, 1993.
4. Apelblat, A. and Korin, E., *J. Chem. Thermodynamics*, 30, 59, 1998.

Salt	10°C	15°C	20°C	25°C	30°C	35°C	40°C	Ref.
BaCl ₂	1.603	1.659	1.716	1.774	1.834	1.895	1.958	1
Ca(NO ₃) ₂	6.896	7.398	7.986	8.675	9.480	10.421		1
CuSO ₄	1.055	1.153	1.260	1.376	1.502	1.639		3
FeSO ₄	1.352	1.533	1.729	1.940	2.165	2.405		3
KBr	5.002	5.237	5.471	5.703	5.932	6.157		3
KIO ₃	0.291	0.333	0.378	0.426	0.478	0.534	0.593	4
K ₂ CO ₃	7.756	7.846	7.948	8.063	8.191	8.331	8.483	1
LiCl	19.296	19.456	19.670	19.935				2
Mg(NO ₃) ₂	4.403	4.523	4.656	4.800	4.958	5.130	5.314	1
MnCl ₂	5.421	5.644	5.884	6.143	6.422	6.721		3
NH ₄ Cl	6.199	6.566	6.943	7.331				2
NH ₄ NO ₃	18.809	21.163	23.721	26.496				2
(NH ₄) ₂ SO ₄	5.494	5.589	5.688	5.790	5.896	6.005		3
NaBr	8.258	8.546	8.856	9.191	9.550	9.937	10.351	4
NaCl	6.110	6.121	6.136	6.153	6.174	6.197	6.222	4
NaNO ₂	11.111	11.484	11.883	12.310	12.766	13.253	13.772	4
NaNO ₃	9.395	9.819	10.261	10.723	11.204	11.706	12.230	4
RbCl	6.911	7.180	7.449	7.717	7.986	8.253	8.520	4
ZnSO ₄	2.911	3.116	3.336	3.573	3.827	4.099	4.194	1