

## Properties of Potassium Sulfate Solutions ( $K_2SO_4$ )

% KCl	Density (kg/m <sup>3</sup> )	K <sub>2</sub> SO <sub>4</sub> (kg/m <sup>3</sup> )	K <sup>+</sup> (mg/L)	SO <sub>4</sub> <sup>-2</sup> (mg/L)	Final Volume Factor	Freezing Point (°C)
1.0	1008	10.0	4532	5568	1.004	-0.28
1.5	1012	15.1	6821	8379	1.005	-0.06
2.0	1016	20.2	9110	11190	1.006	-0.05
2.5	1020	25.4	11443	14057	1.007	-0.06
3.0	1024	30.5	13776	16924	1.008	-0.06
3.5	1028	36.0	16110	19790	1.009	-0.11
4.0	1032	41.5	18488	22712	1.011	-0.11
4.5	1037	46.5	20911	25689	1.012	-1.06
5.0	1041	52.0	23920	28610	1.013	-1.17
5.5	1045	57.3	25758	31642	1.014	-
6.0	1049	62.7	28181	34619	1.016	-
6.5	1053	68.1	30649	37651	1.017	-
7.0	1057	73.8	33162	40738	1.019	-
7.5	1061	79.2	35675	43825	1.020	-
8.0	1066	84.9	381888	46912	1.021	-
8.5	1070	90.6	40746	50054	1.023	-
9.0	1074	96.3	43304	53196	1.024	-
9.5	1078	102.0	45907	56393	1.026	-
10.0	1083	107.8	48509	59591	1.027	-

*Properties based on 20°C and 100% purity*