

Table 2. Ammonium sulfate saturation table using solid ammonium sulfate

Initial concentration of ammonium sulfate(% saturation at 0°C)	Final concentration of ammonium sulfate(% saturation at 0°C)																
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
	Grams solid ammonium sulfate to add to 100 ml of solution																
0	10.7	13.6	16.6	19.7	22.9	26.2	29.5	33.1	36.6	40.4	44.4	48.3	52.3	56.7	61.1	65.9	70.7
5	8.0	10.9	13.9	16.8	20.0	23.2	26.6	30.0	33.3	36.7	40.1	43.5	47.1	50.5	54.3	57.8	62.1
10	5.4	8.2	11.1	14.1	17.1	20.3	23.6	27.0	30.5	34.2	37.9	41.8	45.8	49.8	54.1	58.3	63.6
15	2.6	5.5	8.3	11.3	14.3	17.4	20.7	24.1	27.5	31.0	34.8	38.6	42.6	46.6	50.9	55.5	60.0
20	0	2.7	5.6	8.4	11.5	14.5	17.7	21.0	24.4	28.0	31.6	35.4	39.2	43.2	47.5	52.0	56.5
25		0	2.7	5.7	8.5	11.7	14.8	18.1	21.4	24.8	28.4	32.1	35.9	39.7	43.7	48.0	52.5
30			0	2.8	5.7	8.7	11.9	15.0	18.4	21.7	25.3	28.9	32.7	36.5	40.4	44.5	48.9
35				0	2.8	5.8	8.8	12.0	15.3	18.7	22.2	25.8	29.5	33.3	37.2	41.3	45.7
40					0	2.9	5.9	9.0	12.2	15.5	19.0	22.5	26.2	30.0	34.0	38.1	42.4
45						0	2.9	6.0	9.1	12.5	15.8	19.3	22.9	26.6	30.6	34.7	39.0
50							0	3.0	6.1	9.3	12.7	16.1	19.7	23.3	27.3	31.4	35.8
55								0	3.0	6.2	9.4	12.9	16.3	20.0	23.9	28.0	32.4
60									0	3.1	6.3	9.6	13.1	16.6	20.4	24.4	28.8
65										0	3.1	6.4	9.8	13.4	17.0	20.8	24.7
70											0	3.2	6.6	10.0	13.6	17.3	21.2
75												0	3.2	6.7	10.2	13.9	17.6
80													0	3.3	6.8	10.4	14.1
85														0	3.4	6.9	10.6
90															0	3.4	7.1
95																0	3.5
100																	0

• Adapted from Dawson et al. (1986).

• Values given are the amount of solid $(\text{NH}_4)_2\text{SO}_4$ required to bring a solution of known initial saturation to a desired final saturation. For the data listed, the saturation is relative to full saturation at 0°C.