

Table IX
Ionization of Aqueous Ammonia at 25C*

Moles of Base per Liter	Ammonium Hydroxide			
	% Ionized	Gram Moles OH Per Liter	Grams OH Per Liter	pH
2.0	0.30	0.0060	0.1020	11.78
1.0	0.42	0.00420	0.0714	11.62
0.9	0.45	0.00405	0.0689	11.81
0.8	0.47	0.00376	0.0640	11.58
0.7	0.50	0.00350	0.0596	11.54
0.6	0.55	0.00330	0.0561	11.52
0.5	0.60	0.00300	0.0510	11.48
0.4	0.67	0.00268	0.0456	11.43
0.3	0.77	0.00231	0.0393	11.36
0.2	0.94	0.00188	0.0320	11.27
0.10	1.33	0.00133	0.0226	11.12
0.09	1.40	0.00126	0.0214	11.10
0.08	1.49	0.00119	0.0203	11.08
0.07	1.59	0.00111	0.0189	11.05
0.06	1.72	0.00103	0.0175	11.01
0.05	1.88	0.00094	0.0160	10.97
0.04	2.12	0.00085	0.0144	10.93
0.03	2.42	0.00073	0.0123	10.86
0.02	2.96	0.00059	0.0101	10.77
0.010	4.15	0.00042	0.0071	10.62
0.009	4.37	0.00039	0.0067	10.59
0.008	4.62	0.00037	0.0063	10.57
0.007	4.93	0.00035	0.0059	10.54
0.006	5.33	0.00032	0.0054	10.51
0.005	5.82	0.00029	0.0049	10.46
0.004	6.48	0.00026	0.0044	10.42
0.003	7.44	0.00022	0.0038	10.34
0.002	8.99	0.00018	0.0031	10.26
0.001	12.52	0.00013	0.0021	10.11

* Data from Van Nostrand's Chemical Annual (1934)