

Normal and Molar solutions

Concentrated reagents	Specific gravity (SG)	Molarity (M)	Normality (N)	Volume (mL) required to make 1 litre of solution:	
				1M	1N
Acetic acid 99.5%		17.4	17.4	57.5	57.5
Ammonia 35%	0.880	18.1	18.1	55.3	55.3
Ammonia 25%	0.910	13.4	13.4	74.6	74.6
Hydrochloric acid 36%	1.18	11.65	11.65	85.8	85.8
Hydrochloric acid 32%	1.16	10.2	10.2	98.0	98.0
Hydrofluoric acid 40%	1.13	22.6	22.6	44.2	44.2
Nitric acid 70%	1.42	15.8	15.8	63.3	63.3
Perchloric acid 60%	1.54	9.2	9.2	108.7	108.7
Perchloric acid 70%	1.67	11.6	11.6	86.2	86.2
Orthophosphoric acid 85%	1.7	15.2	45.6	65.8	21.9
Sodium hydroxide 47%	1.5	17.6	17.6	56.7	56.7
Sulfuric acid 96%	1.83	18.0	36.0	53.1	26.2

Источник – Analytical Reagents catalog, Fisher chemicals