

Reagent Grade Acid and Base Information

Acid Or Base	MW	Per cent	Specific Gravity g/cc @ 20C	Grams Per Liter	Approx. Normality	Milliliters to make 1 L of approx. 1N solution
Acetic Acid	60.05	99.0%	1.0524	1042.0	17.45	58
Ammonium Hydroxide	35.05	28.33	0.9000	255.0 (NH ₃)	15.0	67
Hydrochloric Acid	36.46	38.0	1.1885	451.6	12.4	81
Hydrofluoric Acid	20.01	50.0	1.158	577.5	28.8	35
Nitric Acid	63.01	72.0	1.4218	1024.0	16.2	62
Phosphoric Acid	98.00	85.0	1.689	1436.0	44.0	23
Perchloric Acid	100.5	70.0	1.664	1165.0	11.6	86
Sodium Hydroxide	40.00	50.0	1.5253	762.7	19.0	53
Sulfuric Acid	98.08	95.0	1.8337	1742.0	35.5	28