Solubility of the Mere Common Chemicals in Water.

One (1) part, by weight, of the substance is soluble, at about 60° F., in the stated number of parts by weight, of water.

Note.—Chemicals, which are very little soluble, or practically insoluble in water, and which are never administered or applied in solution, such as subnitrate of bismuth, oxalate of cerium, santonin, etc., are here omitted.

Explanation of abbreviations: v. s., very soluble; sp. s., sparingly soluble; ins., insoluble.

Acid, Arsenious,	30 to 80
" Benzoic,	500
" Boric,	25
" Camphoric,	160
" Carbolic,	20
" Citric,	0.75
" Gallic,	100
" Oxalic,	9
" Pyrogallic,	2.3
" Salicylic,	450
" Tannic,	6
" Tartaric,	0.7
Agaricin,	sp. s.
Alum,	10.5
Aluminium Sulphate,	1.2
Ammonium Benzoate,	5
" Bromide,	1.5
" Carbonate,	4
" Chloride,	3
" Iodide,	1
" Nitrate,	0.5
" Phosphate,	4
" Sulphate,	1.3
Ammonium Valerianate,	v. s.
Antifebrin (Acetanilide),	180
Antimony & Potassium Tartrate,	17
Antipyrin,	0.8
Apomorphine Hydrochlorate,	6.8
Antropine,	600
" Sulphate,	0.4
Barium Chloride,	2.5
" Nitrate,	13
Betol (Naphthalol)	ins.
Butyl-Chloral (Croton-Chloral)	20
Cadmium Sulphate,	2
Caffeine,	75
" Sodio-Benzoate,	v. s.
" Sodio-Salicylate,	v. s.
Calcium Bromide,	0.7
" Chloride,	1.5
" Hypophosphite,	6.0
Chloral,	v. s.
Cinchonidine,	1680
" Sulphate,	100
Cinchonine,	3700
" Sulphate,	70
Cocaine,	701
" Hydrochlorate,	v. s.
Codeine,	80
" Phosphate,	4
Copper Acetate,	15
" Sulphate,	2.6
Homatropine Hydrobromate,	10
Hyoscyamine Sulphate (amorphous),	v. s.
Glycyrrhizin Ammoniated,	v. s.
Iodol,	sp. s.
Iron and Amm. Citrate,	v. s.
Iron and Amm. Sulphate,	3
" " Tartrate,	v. s.
" Potass. Tartrate,	v. s.
" Quinine Citrate,	v. s.
" Strychnine Citrate,	v. s.
" Chloride,	v. s.
" Citrate,	v. s.
" Hypophosphite,	sp. s.
" Lactate,	40.
" Phosphate (scales),	v. s.
" Sulphate,	1.8
Lead Acetate,	1.8
" Nitrate,	2
Lime, Caustic,	750
" Chloride (Bleaching) Powder,	20
Lithium Benzoate,	4
" Bromide,	v. s.
" Carbonate,	150
" Citrate,	5.5
" Salicylate,	v. s.
Magnesium Chloride,	1
" Sulphate,	0.8
" Sulphite,	20
Maganese Sulphate,	0.7
Mercury Bichloride,	16
" Cyanide,	12.8
Morphine,	1000
" Acetate,	12
" Hydrochlorate,	20
" Sulphate,	24
Naphthalin,	ins.
Naphthol (Beta),	1000
Phenacetin,	sp. s.
Physostigmine (Eserine),	
" Salicylate,	130
" Sulphate,	v. s.
Potassa (caustic),	0.5
Potassium Acetate,	0.4
" and Sod. Tartrate,	2.5
" Bicarbonate,	3.2
" Bichromate,	10
" Bitartrate,	210
" Bromide,	1.6
" Carbonate,	1
" Chlorate,	16.5
" Chloride,	3
" Citrate,	0.6
" Cyanide,	2
" Ferricyanide,	2.5
" Ferrocyanide,	4
" Hypophosphite,	0.6
" Iodide,	0.8
" Nitrate,	4
" Permanganate,	20
" Sulphate,	9
" Sulphite,	4
" Tartrate,	0.7
Quinidine,	2000
" Sulphate,	100
Quinine Anhydrous,	1960
" Hydrated,	1600
" Bisulphate,	10
" Hydrobromate,	16
" Hydrochlorate,	34
" Lactate,	4
" Sulphate,	740
" Valerianate,	100
" and Urea Hydrochlorate,	1
Resorcin,	0.7
Saccharin,	250
Salicin,	28
Salol,	sp. s.
Silver Nitrate,	0.8
Soda (caustic)	1.7
Sodium (Acetate),	3
Sodium Arseniate,	4
" Benzoate,	1.8
" Bicarbonate,	12
" Bisulphite,	4
" Borate,	16
" Bromide,	1.2
" Carbonate,	1.6
" Chlorate,	1.1
" Chloride,	2.8
" Hypophosphite,	1
" Hyposulphite,	1.5
" Iodide,	0.6
" Nitrate,	1.3
" Phosphate,	6
" Pyrophosphate,	12
" Salicylate,	1.5
" Sulphate,	2.8
" Sulphite,	4
" Sulphocarbolate,	5
Sozo-iodol (Sodium salt),	14
Sparteine Sulphate,	
Strychnine,	6700
" Acetate,	60
" Sulphate,	10
Sugar (cane),	0.5
" of Milk,	7
Sulfonal,	550
Terpin Hydrate,	sp. s.
Thalline Sulphate,	7
" Tartrate,	10
Thymol,	1204
Urethan,	v. s.
Zinc Acetate,	3
" Bromide,	v. s.
" Chloride,	v. s.
" Iodide,	v. s.
" Sulphate,	0.6
" Sulphocarbolate,	2

TABLE SHOWING THE PERCENTAGE OF ANHYDROUS BASE IN THE PRINCIPAL ALKALOIDAL SALTS,—

Note.—The figure placed behind each salt indicates the percentage of anhydrous alkaloid contained therein. For instance, Quinine Sulphate, 74.3, means that 100 parts of commercial crystallized sulphate of quinine contains 74.3 parts of pure anhydrous quinine.

Aconitine Nitrate, cryst.[1])	91.1
Apomorphine Hydrochlorate,	87.9
Atrephine Sulphate,	85.5
Cinchonidine Sulphate,	76.5
Cinchonine Sulphate,	82.1
Cocaine Hydrochlorate, anhydrous,	89.2
Cocaine Hydrochlorate, hydrated[2])	80.7
Codeine Hydrochlorate,	80.4
" Phosphate,	70.5
Digitaline, [3])	
Homatrophine Hydrobromate,	77.3
Hyoscyamine Sulphate, amorphous[4])	85.5
Morphine Acetate,	71.4
" Hydrochlorate,	75.9
" Sulphate,	75.2
Physostigmine Salicylate,[5])	66.6
" Sulphate,[5])	84.9
Pilocarpine Hydrochlorate,	85.1
Quinidine Sulphate,	82.0
Quinine Acetate,	84.3
" Bisulphate,	59.1
" and Iron Citrate,	12.0
" Hydrate,	85.7