

## European Pharmacopoeia Reagents from Reagecon

Chapters 2 and 4 of the European Pharmacopoeia describe the preparation of several hundred reagents and standards used for the testing of pharmaceutical raw materials.

LGC Standards is pleased to offer a large number of these ready-to-use reagents and standard solutions within the spectrum of this catalogue.

The primary solutions for coloration are produced by LGC Standards, the other reagents are manufactured by Reagecon. All are manufactured and tested in compliance with the prescriptions of EP. The products are supplied with certificates of analysis. Lot numbers and expiry dates are stated on all product labels as well. The reagents are always supplied as per the most recently issued EP supplement.

Reagents from other pharmacopoeias are also available on request. Please contact your local LGC Standards office for further details.

### Reagents as outlined in Chapter 2

Code	Product	Unit
REAEPPOS01	Primary opalescence suspension	100 mL

### Coloration: primary solutions

WESEPYS01	Coloration-primary solution yellow	100 mL
WESEPRS01	Coloration-primary solution red	100 mL
WESEPBS01	Coloration-primary solution blue	100 mL

### Coloration: standard solutions

REAEP703	Standard solution B (brown)	125 mL
REAEP704	Standard solution BY (brownish yellow)	125 mL
REAEP706	Standard solution Y (yellow)	125 mL
REAEP705	Standard solution GY (greenish yellow)	125 mL
REAEP707	Standard solution R (red)	125 mL
REAHADM1	HCL dilution matrix (10 g/l HCl)	1 L

### Reference buffer solutions - all @ 25°C

REAEP168	ph Buffer solution 1.68	500 mL
REAEP401	ph Buffer solution 4.01	500 mL
REAEP687	ph Buffer solution 6.87	500 mL
REAEP741	ph Buffer solution 7.41	500 mL
REAEP918	ph Buffer solution 9.18	500 mL

### Conductivity & resistivity solutions - @ 20°C

REAEP1330	Conductivity standard Electrolytic conductivity..... 1330 µS/cm at 20°C Resistivity..... 752 Ω·cm	500 mL
REAEP133	Conductivity standard Electrolytic conductivity..... 133 µS/cm at 20°C Resistivity..... 7519 Ω·cm	500 mL
REAEP266	Conductivity standard Electrolytic conductivity..... 26.6 µS/cm at 20°C Resistivity..... 37594 Ω·cm	500 mL

### Reagents as outlined in Chapter 4 (4.1.1) of Ph.Eur.

REA1000401	Acetic acid (30%)	1 L
REA1000402	Acetic acid, dilute (12%)	1 L
REA1000501	Acetic anhydride solution R1	1 L
REA1002501	Alcohol, aldehyde free	1 L
REA1004702	Ammonia, dilute R1	1 L
REA1004703	Ammonia, dilute R2	1 L
REA1005201	Ammonium carbonate solution	1 L
REA1007301	Anisaldehyde, solution	100 mL
REA1007302	Anisaldehyde, solution R1	100 mL

## European Pharmacopoeia Reagents from Reagecon

Code	Product	Unit
REA1009301	Barium chloride, solution R1	1 L
REA1009401	Barium hydroxide, solution	1 L
REA1011601	Biuret reagent	1 L
REA1012601	Bromocresol green solution	100 mL
REA1012602	Bromocresol green-methyl red solution	100 mL
REA1012701	Bromocresol purple solution	100 mL
REA1012801	Bromophenol blue solution	100 mL
REA1012803	Bromophenol blue solution R2	100 mL
REA1012901	Bromothymol blue solution R1	100 mL
REA1015201	Calcium sulphate solution	1 L
REA1022901	Crystal violet solution	100 mL
REA1023100	Cupri-citric solution	1 L
REA1023300	Cupri-tartaric (Solution I 500 mL & Solution II 500 mL)	1 L
REA1031101	Dimidium bromide - sulphur blue mixed solution	1 L
REA1032101	Diphenylamine solution	1 L
REA1032102	Diphenylamine solution R1	1 L
REA1037702	Ferric ammonium sulphate solution R2	100 mL
REA1038100	Ferrous	100 mL
REA1039101	Formaldehyde solution	100 mL
REA1039401	Fuchsin solution, decolorised	100 mL
REA1039402	Fuchsin solution, decolorised R1	100 mL
REA1043101	Holmium perchlorate solution	1 L
REA1043501	Hydrochloric acid R1	1 L
REA1043503	Hydrochloric acid, dilute	1 L
REA1043504	Hydrochloric acid, dilute R1	1 L
REA1045901	Iodine bromide solution	1 L
REA1046300	Iodoplatinate reagent	200 mL
REA1048001	Lanthanum nitrate solution	1 L
REA1048101	Lead acetate cotton	10 g
REA1048102	Lead acetate paper	Pack of 50
REA1052101	Mercuric bromide paper	Pack of 50
REA1053601	Methoxyphenylacetic reagent	100 mL
REA1054801	Methyl orange mixed solution	100 mL
REA1054802	Methyl orange solution	100 mL
REA1055101	Methyl red mixed solution	100 mL
REA1055102	Methyl red solution	100 mL
REA1056700	Molybdovanadic reagent	100 mL
REA1056801	Mordant black 11 triturate	100 mL
REA1057601	Naphtobenzoin solution	100 mL
REA1058303	Ninhydrin, solution	100 mL
REA1058304	Ninhydrin solution R1	100 mL
REA1058305	Ninhydrin solution R2	100 mL
REA1058402	Acide nitrique dilué	100 mL
REA1062901	Perchloric acid solution	100 mL
REA1063601	Phenol red solution	100 mL
REA1063603	Phenol red solution R2	500 mL
REA1063702	Phenolphthalein solution	100 mL
REA1063703	Phenolphthalein solution R1	100 mL
REA1065000	Phosphomolybdotungstic reagent	100 mL
REA1065200	Phosphomolybdotungstic solution	100 mL
REA1065801	Picric acid solution	100 mL

## European Pharmacopoeia Reagents from Reagecon

Code	Product	Unit
REA1065802	Picric acid solution R1	100 mL
REA1069101	Potassium chloride, 0.1 M	1 L
REA1069201	Potassium chromate, solution	1 L
REA1069501	Potassium dichromate, solution	1 L
REA1069801	Potassium ferrocyanide, solution	100 mL
REA1070001	Potassium hydrogen phthalate, 0.2 M	1 L
REA1070302	Potassium hydroxide in alcohol (10% v/v)	1 L
REA1070303	Potassium hydroxide solution alcoholic	100 mL
REA1070501	Potassium iodide and starch solution	125 mL
REA1070502	Potassium iodide solution	1 L
REA1070600	Potassium iodobismuthate, solution	100 mL
REA1070602	Potassium iodobismuthate, solution R2 (short shelf life)	100 mL
REA1070902	Potassium permanganate, solution	1 L
REA1071301	Potassium pyroantimonate, solution	125 mL
REA1071600	Potassium tetraiodomercurate, solution alkaline (100 ml of both solutions)	200 mL
REA1075201	Ruthenium red solution	100 mL
REA1078301	Silver nitrate solution R1	1 L
REA1078302	Silver nitrate solution R2	1 L
REA1079301	Sodium carbonate solution	1 L
REA1081401	Sodium hydroxide solution	1 L
REA1081402	Sodium hydroxide solution dilute	1 L
REA1081404	Sodium hydroxide solution strong	1 L
REA10816005	Sodium hypochlorite solution strong	500 mL
REA1083901	Sodium sulfure solution	100 mL
REA1085103	Starch, solution	100 mL
REA1086804	Sulphuric acid, dilute	1 L
REA1089602	Thiocetamide solution	1 L
REA1090701	Thymolphthalein solution	100 mL
<b>New</b> REA1094201	Tris(hydroxymethyl) aminomethane solution	100 mL
REA1102301	Zinc acetate solution	1 L
REA1096601	Zinc chloride formic acid solution	1 L
REA1096602	Zinc chloride solution, iodinated	1 L

### Standard solutions for limit tests as outlined in Chapter 4 (4.1.2) of Ph.Eur.

REA5000200	Aluminium standard solution (200 ppm Al)	100 mL
REA5000300C	Ammonium standard solution (100 ppm NH <sub>4</sub> )	100 mL
REA5000500C	Arsenic standard solution (10 ppm As)	100 mL
REA5000700C	Cadmium standard solution (0.1% Cd)	100 mL
REA5000800C	Calcium standard solution (400 ppm Ca)	100 mL
REA5000802C	Calcium standard solution alcoholic (400 ppm Ca)	1 L
REA5000900C	Chloride standard solution (8 ppm Cl)	100 mL
REA5001000	Chromium standard solution (100 ppm Cr)	1 L
REA5001100	Copper standard solution (0.1% Cu)	100 mL
REA5001200C	Ferrocyanide standard solution (100 ppm Fe)	100 mL
REA5001400C	Fluoride standard solution (10 ppm F)	100 mL
REA5001600C	Iron standard solution (20 ppm Fe)	100 mL
REA5001602C	Iron standard solution (8 ppm Fe)	100 mL
REA5001701C	Lead standard solution (100 ppm Pb)	100 mL
REA5001800C	Lagnesium standard solution (100 ppm Mg)	100 mL
REA5002000C	Nickel standard solution (10 ppm Ni)	100 mL
REA5002100C	Nitrate standard solution (100 ppm NO <sub>3</sub> )	100 mL

## European Pharmacopoeia Reagents from Reagecon

Code	Product	Unit
REA5002200C	Phosphate standard solution (5 ppm PO <sub>4</sub> )	100 mL
REA5002400C	Potassium standard solution (100 ppm K)	100 mL
REA5002700C	Sodium standard solution (200 ppm Na)	100 mL
REA5002800C	Sulphate standard solution (10 ppm SO <sub>4</sub> )	100 mL
REA5003100C	Tin standard solution (5 ppm Sn)	1 L
REA5003401C	Zinc standard solution (100 ppm Zn)	100 mL

### Buffer solutions as outlined in Chapter 4 (4.1.3) of Ph.Eur.

REA4000100	Buffered acetone solution	1 L
REA4000600	Buffer solution pH 3.5	1 L
REA4001400	Acetate buffer solution pH 4.6	1 L
REA4004800	Phosphate buffer solution pH 7.4	1 L
REA4008300	Buffer (phosphate) solution pH 9.0	1 L
REA4007200	Ammonium chloride buffer solution pH 9.5	1 L
REA4007300	Ammonium chloride buffer solution pH 10.0	1 L

### Volumetric solutions as outlined in Chapter 4 (4.2.2) of Ph.Eur.

REA3000100	0.1M Ammonium and cerium nitrate	1 L
REA3000200	0.01M Ammonium and cerium nitrate	1 L
REA3000300	0.1M Ammonium and cerium sulphate	1 L
REA3000500	0.1M Ammonium thiocyanate	1 L
REA3000600	0.1M Barium chloride	1 L
REA3000900	0.004M Benzethonium chloride	1 L
REA3001100	0.1M Cerium sulphate	1 L
REA3008700	1M Cupriethylenediamine hydroxide solution	1 L
REA3001300	0.1M Ferric ammonium sulphate	1 L
REA3001500	6M Hydrochloric acid	1 L
REA3001700	2M Hydrochloric acid	1 L
REA3001800	1M Hydrochloric acid	1 L
REA3002100	0.1M Hydrochloric acid	1 L
REA3008800	0.1M Hydrochloric acid, alcoholic	1 L
REA3002700	0.05M Iodine	1 L
REA3003100	0.1M Lead nitrate	1 L
REA3003300	0.1M Lithium methoxide	1 L
REA3003500	0.02M Mercuric nitrate	1 L
REA3003900	0.1M Perchloric acid	1 L
REA3004200	0.033M Potassium bromate	1 L
REA3002900	0.01M Iodine	1 L
REA3009100	11M Potassium hydroxide	1 L
REA3004800	0.1M Potassium hydroxide	1 L
REA3004900	0.5M Potassium hydroxide	1 L
REA3005000	0.5M Potassium hydroxide, alcoholic	1 L
REA3005100	0.1M Potassium hydroxide, alcoholic	1 L
REA3005300	0.02M Potassium permanganate	1 L
REA3005600	0.1M Silver nitrate	1 L
<b>New</b> REA3009300	0.001M Sodium nitrate	1 L
REA3005800	0.1M Sodium arsenite	1 L
REA3005900	0.1M Sodium edetate	1 L
REA3006300	1M Sodium hydroxide	1 L
REA3006600	0.1M Sodium hydroxide	1 L
<b>New</b> REA3007000	0.1M Sodium hydroxide, ethanolic	1 L
REA3007100	0.1M Sodium methoxide	1 L

## European Pharmacopoeia Reagents from Reagecon

Code	Product	Unit
REA3007200	0.1M Sodium nitrate	1 L
REA3007300	0.1M Sodium thiosulphate	1 L
REA3007800	0.5M Sulphuric acid	1 L
REA3008000	0.05M Sulphuric acid	1 L
REA3008300	0.1M Tetrabutylammonium hydroxide	1 L
REA3008400	0.1M Tetrabutylammonium hydroxide in 2-propanol	1 L
REA3008600	0.1M Zinc sulphate	1 L