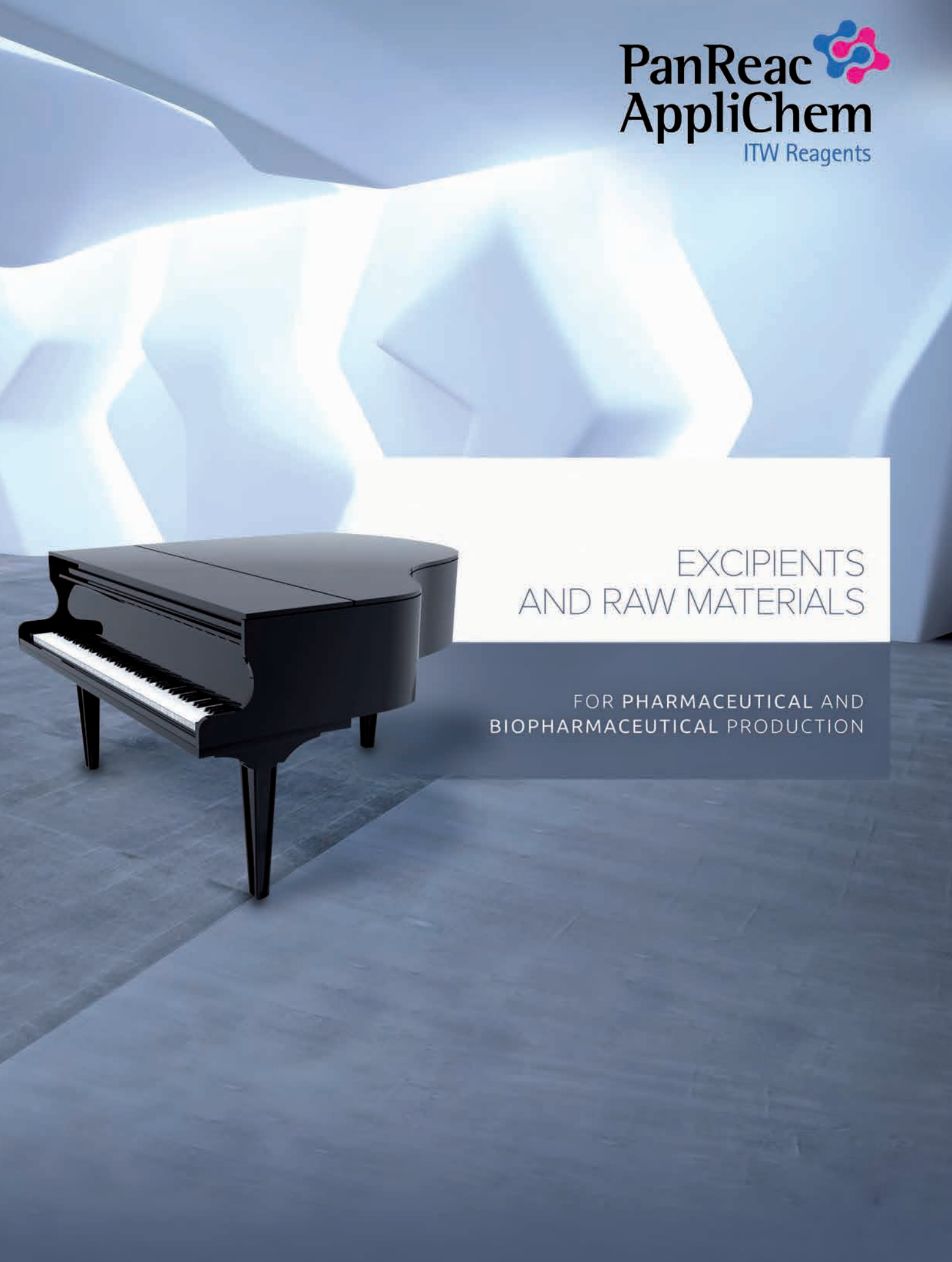
PanReac AppliChem
ITW Reagents

EXCIPIENTS AND RAW MATERIALS

FOR **PHARMACEUTICAL** AND **BIOPHARMACEUTICAL** PRODUCTION

"Quality is not an act, it is a habit"

Aristotle, Greek philosopher and scientist (384 BC-322 BC)

EXCIPIENTS AND RAW MATERIALS
FOR PHARMACEUTICAL AND BIOPHARMACEUTICAL PRODUCTION

OUR
POLYPHONY

1941 | Barcelona

Panreac

> High purity analytical reagents

> Raw materials for the pharmaceutical, food and cosmetic industries

1992 | Darmstadt

AppliChem

> High purity analytical reagents

> Products for molecular biology

PanReac AppliChem ITW Reagents

Benchmark in the sector

Division of ITW, an American multinational with a presence in 56 countries, and 56,000 employees around the world.

2 production plants, Barcelona and Darmstadt

3 Headquarters, Germany, Spain and Italy.

PHARMA in *CRESCENDO*

"Our experts in production ensure the supply of your raw materials accurately and reliably!"

José Antonio Ruiz
Vice General Manager and Division Operations Director

Partners for pharmaceutical production quality

Since the beginning, PanReac AppliChem has played an important role in the pharmaceutical and biopharmaceutical industries, producing and supplying the best raw materials to be used in manufacturing process or as excipients in the final formulation.

Being quality and reliability essential requeriment of pharmaceutical and biopharmaceutical industries,

We offer products and documentation fitting this need

Highly demanding quality control

More than specifications, It is attitude. It is quality in our processes. PanReac AppliChem has an integrated management system implemented in all activities relevant to the following standards.

ISO 9001:2008	ISO 14001:2004	OHSAS 18001:2007	IPEC/PQG GMP Guide
Quality Management	Environmental Protection	Occupational Health and Safety Management	for pharmaceutical excipients

Our Quality Control Laboratories, fitted with the latest technologies, analyse and guarantee your products comply with the specifications of Pharmacopeia. From raw materials to final products, we ensure our products are safe across the entire value chain.

The technical data sheets, safety data sheets and certificates of analysis for all our products are available on our websites

www.panreac.com	www.applichem.com

HARMONIZED SOLUTIONS

GMP-IPEC | PHARMA | BIOCHEMICA | CELL CULTURE

GMP-IPEC Grade

HARMONIZED SOLUTIONS

THE GMP-IPEC GRADE (Highest quality standards + Specifications + Integral control policy)

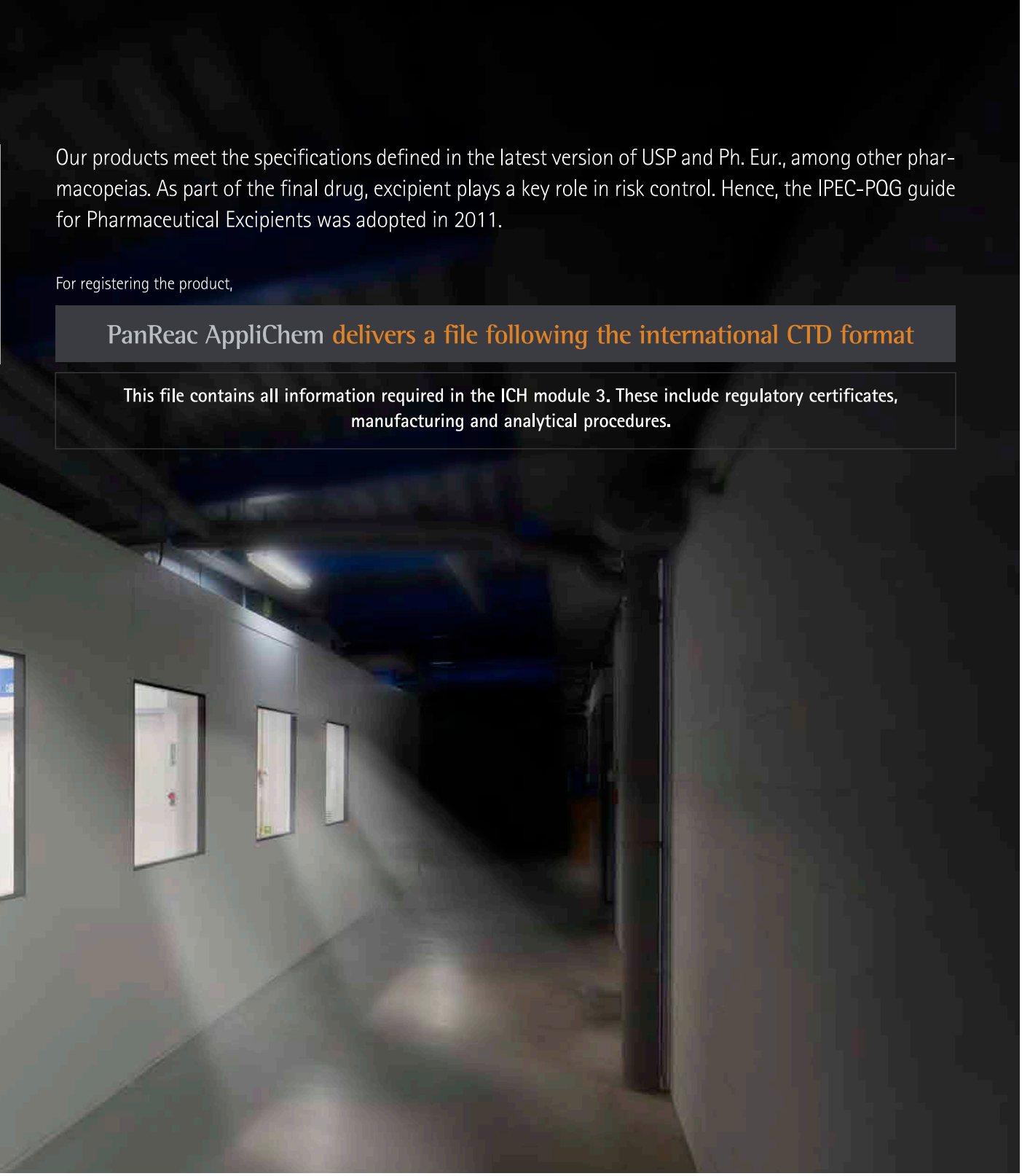
Detailed processes	Strict working conditions	Supplier audits	Full traceability	Change control

Our products meet the specifications defined in the latest version of USP and Ph. Eur., among other pharmacopeias. As part of the final drug, excipient plays a key role in risk control. Hence, the IPEC-PQG guide for Pharmaceutical Excipients was adopted in 2011.

For registering the product,

PanReac AppliChem delivers a file following the international CTD format

This file contains all information required in the ICH module 3. These include regulatory certificates, manufacturing and analytical procedures.



THE GMP-IPEC GRADE PROVIDES YOU WITH

Fast registration	Necessary documentation	Cost saving	High quality and safe raw materials

Pharma, Biochemica and Cell Culture Grade

- **Pharma grade product range** meets the specifications defined in the latest version of USP and Ph. Eur., among other pharmacopeias.
- **BioChemica and Cell Culture grade** guarantee stable and consistent biopharmaceutical production process (upstream).

Regulatory certificates	High quality and safe raw materials	Specific product for specific process

PanReac AppliChem
ITW Reagents

OUR
MELODIES

EXCIPIENTS FOR PHARMACEUTICAL PRODUCTION

This is a selection of products. If you are interested in a specific product that is not listed, please contact us.

BINDERS AND FILLERS

631212 Calcium Carbonate precipitated (Ph. Eur, BP, USP) GMP - IPEC grade
141341 D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade
633140 D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade

COATING AGENTS

631212 Calcium Carbonate precipitated (Ph. Eur, BP, USP) GMP - IPEC grade
141341 D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade
633140 D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
141545 1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade
142363 SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade

DILUENTS

631212 Calcium Carbonate precipitated (Ph. Eur, BP, USP) GMP - IPEC grade
141227 Calcium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade
141226 Calcium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
142728 D(-)-Fructose (USP, BP, Ph. Eur.) pure, pharma grade
142067 D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade
631659 Sodium Chloride (Ph. Eur, BP, USP) GMP - IPEC grade

EMULSIFYING AGENTS

142659 Oleic Acid (Ph. Eur.) pure, pharma grade
631655 tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
631965 Sodium di-Hydrogen Phosphate 1-hydrate (BP, USP) GMP - IPEC grade
141677 Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
141750 Triethanolamine (USP-NF) pure, pharma grade
191750 Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade

FLAVORING AGENTS

631808 Citric Acid anhydrous (Ph. Eur, BP, USP) GMP - IPEC grade
631018 Citric Acid 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
191318 Ethyl Acetate (BP, Ph. Eur.) pharma grade
142728 D(-)-Fructose (USP, BP, Ph. Eur.) pure, pharma grade
142344 Fumaric Acid (USP-NF) pure, pharma grade
141341 D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade
633140 D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
142042 L-Glutamic Acid (BP, Ph. Eur.) pure, pharma grade
631339 Glycerol (Ph. Eur, BP, USP) GMP - IPEC grade
141362 Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
631404 Magnesium Sulfate 7-hydrate (Ph. Eur, BP) GMP - IPEC grade
142067 D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade
141621 D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade
191066 L(+)-Tartaric Acid (USP-NF, BP, Ph. Eur.) pharma grade

LUBRICANTS

142436 Polyethylene Glycol 400 (USP-NF, BP, Ph. Eur.) pure, pharma grade
632438 Polyethylene Glycol 4000 flakes (Ph. Eur., BP) GMP - IPEC grade
141637 Sodium Benzoate (USP-NF, BP, Ph. Eur.) pure, pharma grade

pH ADJUSTMENT AND BUFFERS

141008 Acetic Acid glacial (USP, BP, Ph. Eur.) pure, pharma grade
196884 Acetic Acid 25% w/w pharma grade
141097 Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
141129 Ammonia 25% (as NH3) (BP, Ph. Eur.) pure, pharma grade
141121 Ammonium Chloride (USP, BP, Ph. Eur.) pure, pharma grade
141127 di-Ammonium Hydrogen Phosphate (USP-NF) pure, pharma grade
141015 Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade
631808 Citric Acid anhydrous (Ph. Eur, BP, USP) GMP - IPEC grade
631018 Citric Acid 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
142344 Fumaric Acid (USP-NF) pure, pharma grade
631340 Glycine (Ph. Eur, BP, USP) GMP - IPEC grade
141020 Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade
143006 Hydrochloric Acid 10% (Ph.Eur.,NF) pure, pharma grade
141034 L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade
631404 Magnesium Sulfate 7-hydrate (Ph. Eur, BP) GMP - IPEC grade
141882 Maleic Acid (BP, Ph. Eur.) pure, pharma grade
141032 ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade
191490 Potassium Carbonate (USP, BP, Ph. Eur.) pharma grade
631492 tri-Potassium Citrate 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
631512 di-Potassium Hydrogen Phosphate anhydrous (Ph. Eur, BP, USP) GMP - IPEC grade
141509 Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade
631515 Potassium Hydroxide 85% pellets (Ph. Eur, BP, USP-NF) GMP - IPEC grade
631632 Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
631648 Sodium Carbonate anhydrous (Ph. Eur., BP, USP-NF) GMP - IPEC grade
631655 tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
631638 Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) GMP - IPEC grade
141679 di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade
142507 di-Sodium Hydrogen Phosphate 2-hydrate (BP, Ph. Eur.) pure, pharma grade
141678 di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
631965 Sodium di-Hydrogen Phosphate 1-hydrate (BP, USP) GMP - IPEC grade
141677 Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
145881 Sodium Hydroxide micropearls (USP-NF) pure, pharma grade
631687 Sodium Hydroxide pellets (Ph. Eur, BP, USP, JP) GMP - IPEC grade
141929 Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.) pure, pharma grade
144320 Sodium Hydroxide solution 30% w/w pure, pharma grade
192415 Sodium Hydroxide 1 mol/l (1N) pharma grade
191066 L(+)-Tartaric Acid (USP-NF, BP, Ph. Eur.) pharma grade
141750 Triethanolamine (USP-NF) pure, pharma grade
191750 Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade
141940 Tris (USP, BP, Ph. Eur.) pure, pharma grade

PRESERVATIVES

141014 Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade
141081 Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade
141015 Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade
144233 Butylhydroxylanisole (USP-NF, BP, Ph. Eur.) pure, pharma grade
631232 Calcium Chloride 2-hydrate (Ph. Eur., BP, USP) GMP - IPEC grade
631808 Citric Acid anhydrous (Ph. Eur, BP, USP) GMP - IPEC grade
631018 Citric Acid 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
632825 Butylhydroxytoluene (Ph. Eur., BP, USP-NF) GMP - IPEC grade
631086 Ethanol absolute (Ph. Eur, BP, USP-NF, JP) GMP-IPEC grade
631085 Ethanol 96% v/v (Ph.Eur, BP, USP) GMP - IPEC grade

192695 Ethanol 70% v/v (BP) pharma grade
A0913 Ethanol 70 % pure DAB
141328 Formaldehyde 37-38% w/w stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade
631339 Glycerol (Ph. Eur, BP, USP) GMP - IPEC grade
141323 Phenol 90% aqueous solution (USP) pure, pharma grade
631632 Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
141637 Sodium Benzoate (USP-NF, BP, Ph. Eur.) pure, pharma grade
141698 Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade
143289 Sodium Formaldehyde Sulfoxylate x-hydrate (USP-NF) pure, pharma grade
141055 Sorbic Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade

SOLVENTS

631007 Acetone (Ph. Eur, BP, USP-NF) GMP - IPEC grade
141081 Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade
144720 Benzyl Benzoate (USP, BP, Ph. Eur.) pure, pharma grade
141254 Dichloromethane stabilized with ~ 20 ppm of amylene (USP-NF, BP, Ph. Eur.) pure, pharma grade
192770 Diethyl Ether anaesthetic stabilized with ~ 6 ppm of BHT (BP, Ph. Eur.) pharma grade
191954 Dimethyl Sulfoxide (USP, BP, Ph. Eur.) pharma grade
631086 Ethanol absolute (Ph. Eur, BP, USP-NF, JP) GMP-IPEC grade
631085 Ethanol 96% v/v (Ph.Eur, BP, USP) GMP - IPEC grade
192695 Ethanol 70% v/v (BP) pharma grade
A0913 Ethanol 70 % pure DAB
191318 Ethyl Acetate (BP, Ph. Eur.) pharma grade
631339 Glycerol (Ph. Eur, BP, USP) GMP - IPEC grade
141091 Methanol (USP-NF, BP, Ph. Eur.) pure, pharma grade
191315 Petroleum Ether 40-60°C (DAB) pharma grade
142436 Polyethylene Glycol 400 (USP-NF, BP, Ph. Eur.) pure, pharma grade
632438 Polyethylene Glycol 4000 flakes (Ph. Eur., BP) GMP - IPEC grade
631090 2-Propanol (Ph. Eur, BP, USP-NF) GMP - IPEC grade

SURFACTANTS AND STABILIZERS

631212 Calcium Carbonate precipitated (Ph. Eur, BP, USP) GMP - IPEC grade
631669 EDTA Disodium Salt 2-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
141341 D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade
633140 D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
142363 SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade
142312 Tween ® 20 (USP-NF, BP, Ph. Eur.) pure, pharma grade

THERAPEUTIC AGENTS

141097 Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
191101 Aluminium Sulfate 18-hydrate (BP, Ph. Eur.) pharma grade
141121 Ammonium Chloride (USP, BP, Ph. Eur.) pure, pharma grade
141127 di-Ammonium Hydrogen Phosphate (USP-NF) pure, pharma grade
142465 Barium Sulfate for radiology (BP, Ph. Eur.) pure, pharma grade
141014 Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade
144720 Benzyl Benzoate (USP, BP, Ph. Eur.) pure, pharma grade
631232 Calcium Chloride 2-hydrate (Ph. Eur., BP, USP) GMP - IPEC grade
141278 Collodion solution 4% w/v (USP) pure, pharma grade
141270 Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade
142344 Fumaric Acid (USP-NF) pure, pharma grade
631340 Glycine (Ph. Eur, BP, USP) GMP - IPEC grade
196997 Iron(III) Chloride solution 14% w/w (as Fe) pharma grade
631396 Magnesium Chloride 6-hydrate (Ph. Eur., BP) GMP - IPEC grade
631494 Potassium Chloride (Ph. Eur, BP, USP) GMP - IPEC grade
631492 tri-Potassium Citrate 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
141524 Potassium Nitrate without anticaking (BP, Ph. Eur.) pure, pharma grade
141545 1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade
631090 2-Propanol (Ph. Eur, BP, USP-NF) GMP - IPEC grade
631638 Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) GMP - IPEC grade
191716 Sodium Sulfate anhydrous (USP, BP, Ph. Eur.) pharma grade
141721 Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
141058 Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade
141067 Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade
141940 Tris (USP, BP, Ph. Eur.) pure, pharma grade
191754 Urea crystalline (USP, BP, Ph. Eur.) pharma grade
631786 Zinc Oxide (Ph. Eur., BP, USP) GMP - IPEC grade
141787 Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

THICKNERS

142436 Polyethylene Glycol 400 (USP-NF, BP, Ph. Eur.) pure, pharma grade
632438 Polyethylene Glycol 4000 flakes (Ph. Eur., BP) GMP - IPEC grade

TONICITY AGENTS

631494 Potassium Chloride (Ph. Eur, BP, USP) GMP - IPEC grade
631659 Sodium Chloride (Ph. Eur, BP, USP) GMP - IPEC grade

OTHER USES

141102 Aluminium Ammonium Sulfate 12-hydrate (USP) pure, pharma grade
142652 DL-Camphor synthetic (USP) pure, pharma grade
141077 Hydrogen Peroxide 33% stabilized (USP, BP, Ph. Eur.) pure, pharma grade
141351 Hydroquinone (USP) pure, pharma grade
141348 2-Methyl-2,4-Pentanediol (USP-NF) pure, pharma grade
141527 Potassium Permanganate (USP, BP, Ph. Eur.) pure, pharma grade
145642 Sodium Perborate 4-hydrate (BP, Ph. Eur.) pure, pharma grade

RAW MATERIALS FOR BIOPHARMACEUTICAL PRODUCTION

AMINO ACIDS

A1688 L-Alanine (Ph. Eur., USP) pure, pharma grade
A1700 L-Arginine Hydrochloride (Ph. Eur., USP) pure, pharma grade
A1345 L-Arginine base (Ph.Eur.,USP) pure, pharma grade
A1668 L-Asparagine 1-hydrate (Ph.Eur.) pure, pharma grade
A1701 L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade
A1702 L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade
A1425 L-Cysteine (DAB) pure, pharma grade
142042 L-Glutamic Acid (BP, Ph. Eur.) pure, pharma grade
A1420 L-Glutamine (DAB, USP) pure, pharma grade
631340 Glycine (Ph. Eur, BP, USP) GMP - IPEC grade
A1591 L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade
A1341 L-Histidine base (USP, Ph.Eur.) pure, pharma grade
A3742 L-Hydroxyproline for cell culture
A1440 L-Isoleucine (Ph. Eur., USP) pure, pharma grade
A1426 L-Leucine (Ph. Eur., USP) pure, pharma grade
A1706 L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade
A1340 L-Methionine (Ph. Eur., USP) pure, pharma grade
A1344 L-Phenylalanine (Ph. Eur., USP) pure, pharma grade
A1707 L-Proline (Ph. Eur., USP) pure, pharma grade

RAW MATERIALS FOR BIOPHARMACEUTICAL PRODUCTION

A1708 L-Serine (Ph. Eur., USP) pure, pharma grade
A1419 L-Threonine (Ph. Eur., USP) pure, pharma grade
A1645 L-Tryptophan (Ph. Eur., USP) pure, pharma grade
A1677 L-Tyrosine (Ph. Eur., USP) pure, pharma grade
A1637 L-Valine (USP, Ph.Eur.) pure, pharma grade

SALTS AND BUFFERS

631232 Calcium Chloride 2-hydrate (Ph. Eur., BP, USP) GMP - IPEC grade
141270 Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade
A3268 HEPES for cell culture
141362 Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
631396 Magnesium Chloride 6-hydrate (Ph. Eur., BP) GMP - IPEC grade
631494 Potassium Chloride (Ph. Eur, BP, USP) GMP - IPEC grade
631648 Sodium Carbonate anhydrous (Ph. Eur., BP, USP-NF) GMP - IPEC grade
631659 Sodium Chloride (Ph. Eur, BP, USP) GMP - IPEC grade
631638 Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) GMP - IPEC grade
142507 di-Sodium Hydrogen Phosphate 2-hydrate (BP, Ph. Eur.) pure, pharma grade
141677 Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
141787 Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

VITAMINS AND COFACTORS

A4065 DL-α-Lipoic Acid BioChemica
A0959 Nicotinamide (Ph. Eur., USP) pure, pharma grade
A6279 Riboflavin (Ph. Eur., USP) pure, pharma grade

CARBON SOURCES

A7983 D(+)-Galactose BioChemica, non animal origin
141341 D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade
633140 D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
631339 Glycerol (Ph. Eur, BP, USP) GMP - IPEC grade
A1716 myo-Inositol BioChemica
A9686 D(+)-Trehalose 2-hydrate endotoxin free
A1742 D(+)-Trehalose dihydrate BioChemica
A3912 Sodium Pyruvate BioChemica

OTHER INGREDIENTS AND SUPPLEMENTS

A0847 Albumin - H1
A0848 Albumin - H2
A0846 Albumin crystallized
A1008 IPTG BioChemica
A4778 Linoleic Acid for cell culture
A1288 Pluronic® F-68 BioChemica
A3124 holo-Transferrin, human
A3008 apo-Transferrin, human

PROTEIN PROCESSING

A1032 Ammonium Sulfate BioChemica
63B764 6-Aminohexanoic Acid (Ph. Eur., BP, USP) GMP - IPEC grade
A3240 Guanidine hydrochloride ultrapure
A1703 L-Cystine (Ph. Eur.) pure, pharma grade
A2084 L-Glutathione reduced BioChemica
A3711 Lysozyme BioChemica
192786 Octanoic Acid (BP, Ph. Eur.) pharma grade
A4289 Pepsin
A1388 Triton® X-100 BioChemica
A4148 Trypsin 1 : 250 from porcine pancreas
A3964 Trypsin from bovine pancreas
191754 Urea crystalline (USP, BP, Ph. Eur.) pharma grade

ACIDS AND BASES

141008 Acetic Acid glacial (USP, BP, Ph. Eur.) pure, pharma grade
196884 Acetic Acid 25% w/w pharma grade
631808 Citric Acid anhydrous (Ph. Eur, BP, USP) GMP - IPEC grade
631018 Citric Acid 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
141032 ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade
631687 Sodium Hydroxide pellets (Ph. Eur, BP, USP, JP) GMP - IPEC grade

NOTES

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PanReac AppliChem

ITW Reagents

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