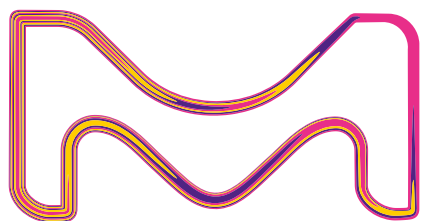


Formulation Portfolio

MAKE YOUR CHOICE

High-quality raw materials and
dedicated regulatory support.



The life science business
of Merck operates as
MilliporeSigma in the
U.S. and Canada.

SAFC[®]

Pharma & Biopharma Raw
Material Solutions



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A PRODUCT RANGE FOR ALL OCCASIONS

In pharmaceuticals, the regulatory world is ever-changing. Keeping up with the latest requirements while not losing track of the market itself is definitely not an easy task to fulfill. And as the pressure caused by generics and biosimilars making their way into the market keeps rising, it becomes more and more important to focus on what really matters: Quality and the right partner throughout your product journey.

We help you master your challenges:

- Ease your formulation efforts by choosing from a comprehensive portfolio of more than 400 raw materials
- Alleviate controlled release and solubility headaches with our portfolio of functional excipients
- Mitigate your risks thanks to our regulatory expertise, application know-how as well as our global and comprehensive support

That is how we help you to stay on top of today's market demands – be it in manufacturing a new pharmaceutical product, optimizing an already approved one or developing a different dosage form. Our broad range of products covers solid, semi-solid, and liquid dosage forms for small and large molecules, as well as active pharmaceutical ingredients (APIs) and drug delivery compounds (DDCs). The products of our portfolio withstand strict quality control procedures and are produced according to cGMP for excipients and API, respectively. As part of our Emprove® Program, our raw materials also come with extensive documentation facilitating compliance of your pharma and biopharma product.



IT ALL STARTS WITH THE RIGHT INGREDIENTS

Solid Dosage Forms.

Solid dosage formulations mark the most important dosage forms for pharmaceuticals, from tablets and capsules to dry powder inhalers to chewables. Our wide range of formulation products include high-quality excipients and active pharmaceutical ingredients as well as additives, lubricants, binding agents, filters, sweeteners, and many other application-oriented items.

Our Parateck® product portfolio offers superior excipients created specifically for solid dosage forms. It features unique particle properties and outstanding individual functionalities such as solubility enhancement or controlled release, among others. As formulators benefit from excellent tableting behavior and simplified formulation design, we make intelligent formulation an easy task.

Semi-solid Dosage Forms.

Semi-solids are formulated as creams, ointments, gels, transdermal patches, and suppositories.

We provide a range of actives and auxiliaries for these formulations, covering everything from products for pH adjustments, thickeners, ointment bases, preservatives, antioxidants, surfactants, and solvents to mineral salts.



Liquid Dosage Forms.

Our portfolio for liquid dose formulation offers an extensive range of high-quality excipients for your parenteral, oral, ophthalmic, otic, or nasal applications. We provide you with solvents, preservatives, stabilizers, antioxidants and products for pH adjustments. In addition, you can take advantage of activated PEGs, lipids and PLA/PLGA biodegradable polymers to formulate advanced drug delivery systems.

We support you in every step of development, scale-up, and production with services that range from process optimization to regulatory affairs support, providing production according to applicable GMP guidelines.

Active Pharmaceutical Ingredients (APIs).

All of our high-quality APIs, such as our Emprove® API offerings, are manufactured according to cGMP guideline ICH Q7 and provide all the necessary regulatory information you need. We offer best-practice support throughout your entire registration process and boast an excellent track record facilitating our customers' compliance with international standards supported by regulatory e-submissions (US-DMF, CEP, SMF, and others). Our expertise and offerings make us a first-rate global partner for your APIs. Moreover, we offer you customized contract manufacturing services that cover the development and manufacturing of APIs, HPAPIs, and antibody-drug conjugates (ADCs).

The Emprove® Program.

Ensuring the compliance of your pharma and biopharma products involves the compilation of a vast amount of data, which can be time- and resource-intensive. In order to facilitate and accelerate this process, we developed our Emprove® Program. It includes 400 pharma raw and starting materials and a selection of filtration and single-use products. Each product in the portfolio is complemented with three different types of dossiers supporting you throughout the different stages of your operations: qualification, risk assessment, and process optimization – all designed to help you speed your way through the regulatory maze.



Solid Dosage Form

pH Adjustment

100090	Adipic acid EMPROVE® ESSENTIAL Ph Eur, NF, FCC, E 355	101206	di-Ammonium hydrogen phosphate EMPROVE® ESSENTIAL NF
101124	Ammonium dihydrogen phosphate cryst. extra pure	105101	di-Potassium hydrogen phosphate anhydrous, EMPROVE® ESSENTIAL Ph Eur, BP, E 340
101131	Ammonium hydrogen carbonate EMPROVE® ESSENTIAL Ph Eur, BP, E 503	106585	di-Sodium hydrogen phosphate anhydrous EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 339
103762	Ammonium iron(III) citrate about 18% Fe DAC	106576	di-Sodium hydrogen phosphate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP
103761	Ammonium iron(III) citrate approx. 28% Fe DAC	106573	di-Sodium hydrogen phosphate dodecahydrate cryst. EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP
101216	Ammonium sulfate extra pure	106574	di-Sodium hydrogen phosphate heptahydrate EMPROVE® ESSENTIAL DAC, USP
100164	Boric acid cryst. EMPROVE® API Ph Eur, BP, NF	100383	DL-Malic acid EMPROVE® ESSENTIAL Ph Eur, NF, FCC, E 296
102052	Calcium acetate hydrate extra pure DAC, FCC	817073	Fumaric acid NF
112120	Calcium carbonate precipitated ($\leq 0.0001\%$ Al) EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, FCC, E 170	100802	L(+)-Tartaric acid cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 334
102064	Calcium carbonate precipitated ($\leq 0.002\%$ Fe) EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, FCC	100803	L(+)-Tartaric acid powder EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 334
102069	Calcium carbonate precipitated, EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 170, FCC	106143	Meglumine low in endotoxins EMPROVE® API Ph Eur, ChP, JP, USP
102074	Calcium carbonate precipitated, special grade ($\leq 0.002\%$ Fe) EMPROVE® ESSENTIAL Ph Eur, BP, USP	104820	Potassium acetate extra pure Ph Eur, BP, E 261
102102	Calcium lactate pentahydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 327	104924	Potassium carbonate EMPROVE® ESSENTIAL Ph Eur, USP, E 501
100247	Citric acid anhydrous fine-granular, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	104871	Potassium dihydrogen phosphate cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JPC, NF, E 340
100241	Citric acid anhydrous powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	104852	Potassium hydrogen carbonate EMPROVE® ESSENTIAL Ph Eur, BP, USP, FCC, E 501
100242	Citric acid monohydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	106236	Sodium acetate anhydrous EMPROVE® API USP, FCC, E262
100243	Citric acid monohydrate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	106281	Sodium acetate anhydrous extra pure USP, FCC, E 262
		106265	Sodium acetate trihydrate extra pure EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, FCC, E 262

Solid Dosage Form

106398	Sodium carbonate anhydrous, EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF	CH 2900009	Calcium folinate amorphous
106384	Sodium carbonate decahydrate EMPROVE® ESSENTIAL Ph Eur, BP, E 500	CH 2900010	Calcium folinate amorphous
106386	Sodium carbonate monohydrate EMPROVE® ESSENTIAL Ph Eur, BP, NF, E 500	CH2 900011	Calcium folinate crystalline
106345	Sodium dihydrogen phosphate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP, JPE, E 339	CH 2900044	Calcium folinate pure
106349	Sodium dihydrogen phosphate monohydrate EMPROVE® ESSENTIAL BP, USP	CH 2900018	Calcium levofolinate pentahydrate
817054	Sodium gluconate USP, E 576	108439	Calcium Titriplex® dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP
104164	Sodium glycerophosphate hydrate extra pure	102555	Charcoal activated Ph Eur
100662	Sorbic acid EMPROVE® ESSENTIAL Ph Eur, BP, NF, FCC, E 200	500117	Choline chloride EMPROVE® ESSENTIAL DAB 10, FCC
100681	Succinic acid cryst., EMPROVE® ESSENTIAL NF, JPE, ACS	500115	Choline hydrogen tartrate EMPROVE® ESSENTIAL DAB 10, FCC
106432	tri-Sodium citrate dihydrate cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331	102644	Collodion 4%
106447	tri-Sodium citrate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331	108692	D(+)-Xylose Ph Eur, BP
106446	tri-Sodium citrate dihydrate powder, EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331	500976	DL-A-Tocopherol hydrogen succinate food grade USP
106577	tri-Sodium phosphate dodecahydrate EMPROVE® ESSENTIAL NF, E 339	104212	Guaiacol extra pure Ph Franç X
Ingredients		104760	Iodine purified by sublimation EMPROVE® ESSENTIAL Ph Eur, BP, USP
100102	4-Aminobenzoic acid suitable for use as excipient EMPROVE® exp	103815	Iron extra pure reduced particle size about 10 µm
101042	Aluminium potassium sulfate dodecahydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP	103962	Iron(II) fumarate extra pure (ca. 33% Fe) Ph Eur, BP, USP, FCC
101136	Ammonium carbonate EMPROVE® ESSENTIAL Ph Franç, NF, E 503	103963	Iron(II) sulfate heptahydrate cryst., EMPROVE® ESSENTIAL Ph Eur, BP, USP, FCC
102148	Calcium D-saccharate EMPROVE® ESSENTIAL USP	103967	Iron(II) sulfate hydrate (about 87% FeSO ₄) extra pure Ph Eur, BP, USP

Solid Dosage Form

103862	Iron(III) citrate hydrate (about 19% Fe)	104900	Potassium bromide EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP
103814	Iron(III)-chloride-hexahydrate EMPROVE® ESSENTIAL Ph Eur, JPE	105050	Potassium iodate extra pure FCC
108117	Kieselguhr purified and calcined, EMPROVE® ESSENTIAL NF	105061	Potassium nitrate suitable for use as excipient Ph Eur, BP, USP, FCC, E 252
CH 2900056	Levomefolate calcium	105150	Potassium sulfate cryst. EMPROVE® ESSENTIAL Ph Eur, BP, JP
105671	Lithium carbonate EMPROVE® ESSENTIAL Ph Eur, BP, USP	105151	Potassium sulfate powder EMPROVE® ESSENTIAL Ph Eur, BP, JP, E 515
105872	Magnesium hydrogen phosphate trihydrate EMPROVE® ESSENTIAL DAB	501260	Pyridoxol (pyridoxine) vitamin B ₆ base EMPROVE® ESSENTIAL
105829	Magnesium hydroxide carbonate heavy extra pure Ph Eur, BP, USP, E 504	107590	Resorcinol extra pure BP, Ph Eur, USP
105828	Magnesium hydroxide carbonate light extra pure Ph Eur, BP	500257	Riboflavin Ph Eur, BP, JP, USP, E 101 (i)
105867	Magnesium oxide heavy EMPROVE® ESSENTIAL Ph Eur, BP, USP	500259	Riboflavine 5'-phosphate monosodium salt dihydrate (vitamin B ₂ 5'-phosphate monosodium salt) Ph Eur, BP, JP, USP, E 101a
105862	Magnesium oxide light extra pure Ph Eur, BP, E 530	101510	Silver nitrate cryst. extra pure Ph Eur, BP, USP
817058	Maleic acid EMPROVE® ESSENTIAL Ph Eur, NF	101536	Silver protein mild (19–23% Ag) BPC 1968
105999	Manganese(II) sulfate monohydrate spray dried EMPROVE® ESSENTIAL Ph Eur, USP, FCC	106360	Sodium bromide EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP
CH 2900019	Metafolin® ground	106323	Sodium hydrogen carbonate EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, FCC, E 500
CH 2900020	Metafolin® micronized	106520	Sodium iodide EMPROVE® exp Ph Eur, BP, JP, USP
104731	myo-Inositol EMPROVE® ESSENTIAL Ph Eur, FCC, NF	106445	Sodium L-glutamate monohydrate EMPROVE® ESSENTIAL FCC, NF, E 621
500005	Nicotinic acid extra pure Ph Eur, BP, USP	106544	Sodium nitrite extra pure Ph Eur, USP
102440	Pardeck® Mg DC (Magnesium hydroxide carbonate) heavy EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, E 504	104646	Sodium phosphinate monohydrate EMPROVE® ESSENTIAL DAC
107197	Pepsin (from porcine gastric mucosa) 0.7 Ph Eur U/mg suitable for use as excipient EMPROVE® exp	106643	Sodium sulfate anhydrous EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 514

Solid Dosage Form

106645	Sodium sulfate anhydrous extra pure fine powder Ph Eur, BP, USP	142020	Cyclodextrin HPB Ph Eur, NF
106642	Sodium sulfate decahydrate cryst. EMPROVE® ESSENTIAL Ph Eur, BP, USP	105321	D(-)-Fructose EMPROVE® ESSENTIAL Ph Eur, BP, USP, FCC
106641	Sodium sulfate decahydrate cryst. Ph Eur, USP, BP	137096	D(-)-Mannitol EMPROVE® EXPERT Ph Eur, BP, USP, JP
106514	Sodium thiosulfate pentahydrate cryst., EMPROVE® ESSENTIAL Ph Eur, BP, USP	105988	D(-)-Mannitol fine powder EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, FCC, E 421
500923	Thiamine chloride hydrochloride (Vitamin B ₁ -hydrochloride) Ph Eur, BP, USP, FCC	105303	D(-)-Mannitol low in endotoxins EMPROVE® API Ph Eur, BP, USP
107813	Tin(II) chloride dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, JPE	108346	D(+)-Glucose monohydrate suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP
102092	tri-Calcium dicitrate tetrahydrate EMPROVE® ESSENTIAL DAC, USP, E 333, FCC	106143	Meglumine low in endotoxins EMPROVE® API Ph Eur, ChP, JP, USP
105683	tri-Lithium citrate tetrahydrate EMPROVE® ESSENTIAL Ph Eur, BP	115079	Parteck® SI 200 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E420
108484	Urea beads EMPROVE® ESSENTIAL USP	817009	Polyethylene glycol 1000 EMPROVE® ESSENTIAL Ph Eur
108486	Urea cryst. EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP	817005	Polyethylene glycol 1500 (scales) EMPROVE® ESSENTIAL Ph Eur
524950	Vitamin B ₁₂ (cyanocobalamin) Ph Eur, BP, USP	817001	Polyethylene glycol 200 EMPROVE® ESSENTIAL DAB 8
817079	Zinc gluconate USP	817018	Polyethylene glycol 20000 EMPROVE® ESSENTIAL Ph Eur
CH 2900034	Zinc histidine dihydrate	817002	Polyethylene glycol 300 EMPROVE® ESSENTIAL Ph Eur
108808	Zinc hydroxide carbonate pure (zinc carbonate basic)	817019	Polyethylene glycol 3000 EMPROVE® ESSENTIAL Ph Eur
108846	Zinc oxide EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP	817003	Polyethylene glycol 400 EMPROVE® ESSENTIAL Ph Eur, JP
108882	Zinc sulfate monohydrate EMPROVE® ESSENTIAL Ph Eur, USP	817006	Polyethylene glycol 4000 (powder) EMPROVE® ESSENTIAL Ph Eur
		817063	Polyethylene glycol 4000 (scales) EMPROVE® ESSENTIAL Ph Eur
		817004	Polyethylene glycol 600 EMPROVE® ESSENTIAL Ph Eur

Surfactants and Stabilizers

115419 Cetyl palmitate 15 (cetylesters wax) EMPROVE® ESSENTIAL Ph Eur, NF

Solid Dosage Form

817007 Polyethylene glycol 6000 EMPROVE® ESSENTIAL Ph Eur

141365 Polyvinyl alcohol 18–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

141352 Polyvinyl alcohol 26–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141362 Polyvinyl alcohol 26–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

141356 Polyvinyl alcohol 28–99 suitable for use as excipient EMPROVE® exp Ph Eur, JPE

141350 Polyvinyl alcohol 4–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141360 Polyvinyl alcohol 4–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141353 Polyvinyl alcohol 40–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141363 Polyvinyl alcohol 40–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

141354 Polyvinyl alcohol 5–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141364 Polyvinyl alcohol 5–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

141351 Polyvinyl alcohol 8–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141361 Polyvinyl alcohol 8–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

107653 Sucrose EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF

100892 Sucrose low in endotoxins suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF

817072 Tween® 20 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JPE, NF

817076 Tween® 60 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JPE, NF

817061 Tween® 80 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JP, NF

Binders and Fillers

105006 Bole white powder low bacterial content, for internal use, EMPROVE® ESSENTIAL Ph Eur, BP

102304 Calcium hydrogen phosphate anhydrous extra fine powder EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, FCC, E 341

102144 Calcium hydrogen phosphate anhydrous extra fine powder EMPROVE® ESSENTIAL Ph Eur, BP, USP, FCC, E 341 (ii)

102143 Calcium phosphate dried EMPROVE® ESSENTIAL Ph Eur, BP, E 341 (iii)

104072 Gelatin (sheets) EMPROVE® ESSENTIAL Ph Eur, BP, NF

104078 Gelatin powder, EMPROVE® ESSENTIAL Ph Eur, BP, NF

107656 Lactose monohydrate (milk sugar) powder EMPROVE® ESSENTIAL Ph Eur, BP, NF, JP

108195 Lactose monohydrate (milk sugar) special grade for tableting EMPROVE® ESSENTIAL Ph Eur, BP, NF, JP

105911 Maltose monohydrate EMPROVE® ESSENTIAL

112635 Parteck® Delta M (Mannitol) EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, E 421

100494 Parteck® M 100 (Mannitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 421

100419 Parteck® M 200 (Mannitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 421

103668 Parteck® M DPI EMPROVE® EXPERT Ph Eur, BP, USP, JP, E 421

102440 Parteck® Mg DC (Magnesium hydroxide carbonate) heavy EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, E 504

100490 Parteck® ODT EMPROVE® ESSENTIAL

103583 Parteck® SI 150 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, JSFA, E420

115079 Parteck® SI 200 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E420

Solid Dosage Form

103140 Parateck® SI 400 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JSFA, NF, E420

103557 Parateck® SI 450 (Sorbitol) EMPROVE® ESSENTIAL NF, FCC, JSFA

101253 Starch soluble extra pure

107653 Sucrose EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF

108197 Tableting aid K (cellulose powder) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 460ii

100805 Titanium(IV) oxide EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, E171

141354 Polyvinyl alcohol 5–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141364 Polyvinyl alcohol 5–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

141351 Polyvinyl alcohol 8–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141361 Polyvinyl alcohol 8–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

100805 Titanium(IV) oxide EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, E171

817059 Triethyl citrate Ph Eur, JPE, NF

Coatings and Supporting Material

105006 Bole white powder low bacterial content, for internal use, EMPROVE® ESSENTIAL Ph Eur, BP

817067 Dibutyl sebacate NF

108070 PARTECK® LUB Talc EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

141365 Polyvinyl alcohol 18–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

141352 Polyvinyl alcohol 26–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141362 Polyvinyl alcohol 26–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

141356 Polyvinyl alcohol 28–99 suitable for use as excipient EMPROVE® exp Ph Eur, JPE

141350 Polyvinyl alcohol 4–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141360 Polyvinyl alcohol 4–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141353 Polyvinyl alcohol 40–88 suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141363 Polyvinyl alcohol 40–88, powder suitable for use as excipient EMPROVE® exp Ph Eur, USP

Disintegrants

102310 PARTECK® CCS Croscarmellose Sodium EMPROVE® ESSENTIAL Ph Eur, JP, NF

101253 Starch soluble extra pure

Taste Modifiers

105995 (-)-Menthol EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

100247 Citric acid anhydrous fine-granular, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC

100241 Citric acid anhydrous powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC

100242 Citric acid monohydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC

100243 Citric acid monohydrate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC

105321 D(-)-Fructose EMPROVE® ESSENTIAL Ph Eur, BP, USP, FCC

100802 L(+)-Tartaric acid cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 334

100803 L(+)-Tartaric acid powder EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 334

Solid Dosage Form

105911 Maltose monohydrate EMPROVE® ESSENTIAL

100494 Parteck® M 100 (Mannitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 421

100419 Parteck® M 200 (Mannitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 421

100490 Parteck® ODT EMPROVE® ESSENTIAL

103583 Parteck® SI 150 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, JSFA, E420

115079 Parteck® SI 200 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E420

103140 Parteck® SI 400 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JSFA, NF, E420

103557 Parteck® SI 450 (Sorbitol) EMPROVE® ESSENTIAL NF, FCC, JSFA

817022 Saccharin EMPROVE® ESSENTIAL Ph Eur, NF

817042 Saccharin sodium dihydrate EMPROVE® ESSENTIAL Ph Eur, USP

817044 Sodium cyclamate EMPROVE® ESSENTIAL Ph Eur, BP

100895 Sucralose granular EMPROVE® ESSENTIAL Ph Eur, NF, JPE

100894 Sucralose powder EMPROVE® ESSENTIAL Ph Eur, NF, JPE

107653 Sucrose EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF

108510 Vanillin EMPROVE® ESSENTIAL Ph Eur, BP, NF

Lubricants and Glidants

100803 L(+)-Tartaric acid powder EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 334

100664 Parteck® LUB CST (Calcium stearate vegetable grade) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, FCC

100663 Parteck® LUB MST (Magnesium stearate vegetable grade) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, FCC

100661 Parteck® LUB STA 50 (Stearic acid 50 vegetable grade) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF

108070 PARTECK® LUB Talc EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

817009 Polyethylene glycol 1000 EMPROVE® ESSENTIAL Ph Eur

817005 Polyethylene glycol 1500 (scales) EMPROVE® ESSENTIAL Ph Eur

817006 Polyethylene glycol 4000 (powder) EMPROVE® ESSENTIAL Ph Eur

817063 Polyethylene glycol 4000 (scales) EMPROVE® ESSENTIAL Ph Eur

108510 Vanillin EMPROVE® ESSENTIAL Ph Eur, BP, NF

Advanced Drug Delivery

103668 Parteck® M DPI EMPROVE® EXPERT Ph Eur, BP, JP, USP, E 421

141464 Parteck® MXP (Polyvinyl alcohol) EMPROVE® ESSENTIAL Ph Eur, JPE, USP

120091 Parteck® SLC 500 USP, Ph Eur

141439 Parteck® SRP 80 (Polyvinyl alcohol) EMPROVE® ESSENTIAL Ph Eur, USP, JPE

Candurin® Mineral Pearl Effect Colors

120606 Candurin® Blue Shimmer

120617 Candurin® Brown Amber

120610 Candurin® Gold Lustre

120608 Candurin® Gold Sheen

Solid Dosage Form

120604 Candurin® Gold Shimmer

120623 Candurin® Gold Sparkle

120607 Candurin® Green Shimmer

120609 Candurin® Light Gold

120624 Candurin® NXT Ruby Red

120615 Candurin® Orange Amber

120613 Candurin® Red Amber

120619 Candurin® Red Lustre

120605 Candurin® Red Shimmer

120622 Candurin® Red Sparkle

120600 Candurin® Silver Fine

120602 Candurin® Silver Lustre

120601 Candurin® Silver Sheen

120603 Candurin® Silver Sparkle

Semi-solid Dosage Form

Acidulents and pH Adjustment

100056	Acetic acid (glacial) 100% EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 260	100366	(S)-Lactic acid about 90%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 270
100058	Acetic acid 96% EMPROVE® ESSENTIAL	817058	Maleic acid EMPROVE® ESSENTIAL Ph Eur, NF
100090	Adipic acid EMPROVE® ESSENTIAL Ph Eur, NF, FCC, E 355	100563	ortho-Phosphoric acid 85% EMPROVE® ESSENTIAL Ph Eur, BP, JPE, NF, E 338
105422	Ammonia solution 25% EMPROVE® ESSENTIAL Ph Eur, BP	104956	tri-Potassium citrate monohydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP, FCC, E 332
100160	Boric acid cryst., EMPROVE® ESSENTIAL Ph Eur, BP, NF	105032	Potassium hydroxide pellets EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, FCC, E 525
100162	Boric acid powder, EMPROVE® ESSENTIAL Ph Eur, BP, NF	106281	Sodium acetate anhydrous EMPROVE® ESSENTIAL USP, FCC, E 262
100156	Boric acid cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF	106265	Sodium acetate trihydrate extra pure EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, FCC, E 262
102052	Calcium acetate hydrate extra pure DAC, FCC	106431	tri-Sodium citrate 5, 5-hydrate EMPROVE® ESSENTIAL FU VIII, E 331
102119	Calcium hydroxide precipitated ($\leq 0.0005\%$ Al) EMPROVE® ESSENTIAL USP, FCC, E 526	111037	tri-Sodium citrate anhydrous, EMPROVE® ESSENTIAL USP, FCC, E 331
102110	Calcium hydroxide EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, FCC, E 526	106432	tri-Sodium citrate dihydrate cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331
102102	Calcium lactate pentahydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 327	106446	tri-Sodium citrate dihydrate powder, EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331
100247	Citric acid anhydrous fine-granular, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	106447	tri-Sodium citrate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331
100241	Citric acid anhydrous powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	106345	Sodium dihydrogen phosphate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP, JPE, E 339
100242	Citric acid monohydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	106349	Sodium dihydrogen phosphate monohydrate EMPROVE® ESSENTIAL BP, USP
100243	Citric acid monohydrate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	106585	di-Sodium hydrogen phosphate anhydrous EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 339
100312	Hydrochloric acid 25% EMPROVE® ESSENTIAL Ph Helv	106576	di-Sodium hydrogen phosphate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP
100314	Hydrochloric acid fuming 37% EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF	106574	di-Sodium hydrogen phosphate heptahydrate EMPROVE® ESSENTIAL DAC, USP
		106482	Sodium hydroxide pellets EMPROVE® ESSENTIAL Ph Eur, BP, FCC, JP, NF, E 524

Semi-solid Dosage Form

106303	di-Sodium tetraborate decahydrate EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF	104228	Gum arabic spray-dried, EMPROVE® ESSENTIAL Ph Eur, BP
106522	Sodium-(S)-lactate-solution about 50%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	817009	Polyethylene glycol 1000 EMPROVE® ESSENTIAL Ph Eur
100713	Sulfuric acid 95–98% EMPROVE® ESSENTIAL Ph Eur, BP, JPE, NF	817005	Polyethylene glycol 1500 (scales) EMPROVE® ESSENTIAL Ph Eur
108386	Tris (hydroxymethyl) aminomethane (Trometamol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JPC, USP	817001	Polyethylene glycol 200 EMPROVE® ESSENTIAL DAB 8
108372	Triethanolamine (Trolamine) EMPROVE® ESSENTIAL Ph Eur	817020	Polyethylene glycol 2000 suitable for use as excipient EMPROVE® exp DAB

Ingredients

101071	Aluminium hydroxide acetate hydrate (basic aluminium acetate) pure	817002	Polyethylene glycol 300 EMPROVE® ESSENTIAL Ph Eur
108597	Hydrogen peroxide 30% stabilized, EMPROVE® ESSENTIAL Ph Eur, BP, USP	817019	Polyethylene glycol 3000 EMPROVE® ESSENTIAL Ph Eur
108600	Hydrogen peroxide 35% EMPROVE® ESSENTIAL	817003	Polyethylene glycol 400 EMPROVE® ESSENTIAL Ph Eur, JP
105995	(-)-Menthol EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP	817006	Polyethylene glycol 4000 (powder) EMPROVE® ESSENTIAL Ph Eur
106070	Methyl salicylate synthetic, EMPROVE® ESSENTIAL Ph Eur, BP, NF	817063	Polyethylene glycol 4000 (scales) EMPROVE® ESSENTIAL Ph Eur
107590	Resorcinol extra pure Ph Eur, BP, USP	817004	Polyethylene glycol 600 EMPROVE® ESSENTIAL Ph Eur
101510	Silver nitrate cryst. extra pure Ph Eur, BP, USP	817007	Polyethylene glycol 6000 EMPROVE® ESSENTIAL Ph Eur
107983	Sulfur for external use Ph Eur, BP	113126	Silicon dioxide colloidal, highly dispersed EMPROVE® ESSENTIAL Ph Eur, NF, JP, E 551

Thickeners

105006	Bole white powder low bacterial content, for internal use, EMPROVE® ESSENTIAL Ph Eur, BP	111544	Wax white in pastilles EMPROVE® ESSENTIAL Ph Eur, BP
104072	Gelatin (sheets) EMPROVE® ESSENTIAL Ph Eur, BP, NF	141350	Polyvinyl alcohol 4–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE
104078	Gelatin powder, EMPROVE® ESSENTIAL Ph Eur, BP, NF	141351	Polyvinyl alcohol 8–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE
		141352	Polyvinyl alcohol 26–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

Semi-solid Dosage Form

141353 Polyvinyl alcohol 40–88, suitable for use as excipient
EMPROVE® exp Ph Eur, USP, JPE

141354 Polyvinyl alcohol 5–88, suitable for use as excipient
EMPROVE® exp Ph Eur, USP, JPE

141355 Polyvinyl alcohol 18–88, suitable for use as excipient
EMPROVE® exp Ph Eur, USP, JPE

141356 Polyvinyl alcohol 28–99, suitable for use as excipient
EMPROVE® exp JPE

141360 Polyvinyl alcohol 4–88, powder, suitable for use as
excipient EMPROVE® exp Ph Eur, USP

141361 Polyvinyl alcohol 8–88, powder EMPROVE® exp Ph Eur,
USP

141362 Polyvinyl alcohol 26–88, powder EMPROVE® exp Ph Eur,
USP

141363 Polyvinyl alcohol 40–88, powder EMPROVE® exp Ph Eur,
USP

141364 Polyvinyl alcohol 5–88, powder EMPROVE® exp Ph Eur,
USP

141365 Polyvinyl alcohol 18–88, powder EMPROVE® exp Ph Eur,
USP

Preservatives

101005 1, 1, 1, -Trichloro-2-methyl-2-propanol hemihydrate
Ph Eur, BP, JP, NF

817046 Benzalkonium chloride (50% aqueous solution)
EMPROVE® ESSENTIAL Ph Eur, NF

817032 Benzalkonium chloride EMPROVE® ESSENTIAL Ph Eur, NF

100130 Benzoic acid powder, EMPROVE® ESSENTIAL Ph Eur, BP,
USP, E 210

100887 Ethyl 4-hydroxy benzoate EMPROVE® ESSENTIAL Ph Eur,
BP, JP, NF

106757 Methyl 4-hydroxy benzoate EMPROVE® ESSENTIAL
Ph Eur, BP, JP, NF, FCC

105119 Potassium sorbate granules, EMPROVE® ESSENTIAL
Ph Eur, BP, NF, FCC, E 202

105118 Potassium sorbate powder, EMPROVE® ESSENTIAL Ph Eur,
BP, NF, FCC, E 202

107427 Propyl 4-hydroxy benzoate EMPROVE® ESSENTIAL Ph Eur,
BP, JP, NF, FCC

106290 Sodium benzoate EMPROVE® ESSENTIAL Ph Eur, BP, NF,
FCC, E 211

100662 Sorbic acid EMPROVE® ESSENTIAL Ph Eur, BP, NF, FCC,
E 200

108421 Titriplex® III (ethylene dinitrilo tetraacetic acid disodium
salt dihydrate) EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

Antioxidants

500949 all-rac- α -Tocopherol EMPROVE® ESSENTIAL Ph Eur, BP,
USP, E 307

500090 L(+)-Ascorbyl palmitate EMPROVE® ESSENTIAL Ph Eur, BP,
NF, FCC, E 304

817023 Butylhydroxyanisole Ph Eur, NF, E 320

817074 Butylhydroxytoluene Ph Eur, JPE, NF, E 321

108330 Oxyxex® L liquid antioxidant for fats and oils EMPROVE®
ESSENTIAL

106946 Oxyxex® LM antioxidant for fats and oils EMPROVE®
ESSENTIAL

105056 Potassium disulfite EMPROVE® ESSENTIAL Ph Eur, NF,
E 224

106357 Sodium disulfite (sodium metabisulfite) EMPROVE®
ESSENTIAL Ph Eur, BP, JP, NF, E 223

106652 Sodium sulfite EMPROVE® ESSENTIAL Ph Eur, BP, NF, E 221

106513 Sodium thiosulfate pentahydrate pure

106514 Sodium thiosulfate pentahydrate cryst., EMPROVE®
ESSENTIAL Ph Eur, BP, USP

Semi-solid Dosage Form

Surfactants

100989	Cetyl alcohol EMPROVE® ESSENTIAL Ph Eur, BP, NF, JP
115419	Cetyl palmitate 15 (cetylestere wax) EMPROVE® ESSENTIAL Ph Eur, NF
103672	Cholesterol from wool fat extra pure, powdered Ph Eur, BP, NF, JP
137112	Poloxamer 188 EMPROVE® EXPERT Ph Eur, NF (stabilized with 70 ppm BHT)
817034	Sodium dodecyl sulfate Ph Eur
817072	Tween® 20 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JPE, NF
817076	Tween® 60 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JPE, NF
817061	Tween® 80 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JP, NF

Solvents

107478	1, 2-Propanediol EMPROVE® ESSENTIAL Ph Eur, BP, USP
100995	2-Propanol EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP
137117	Dimethyl sulfoxide EMPROVE® EXPERT Ph Eur, USP
100971	Ethanol 96%, suitable for use as excipient EMPROVE® exp Ph Eur, BP
100967	Ethanol 96%, suitable for use as excipient EMPROVE® exp Ph Eur, JP, USP
101986	Ethanol absolute, suitable for preparative chromatography Ph Eur, BP, USP
100986	Ethanol absolute, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP
100864	Ethyl acetate EMPROVE® ESSENTIAL Ph Eur, BP, NF

104091 Glycerol 85%, suitable for use as excipient EMPROVE® exp Ph Eur, BP

104093 Glycerol anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 422

107174 Paraffin highly liquid Ph Eur, BP, NF, JP

100909 Petroleum benzene boiling range 40–60 °C EMPROVE® ESSENTIAL DAB

Mineral Salts

142002	Calcium chloride dihydrate EMPROVE® Ph Eur, BP, JP, USP, FCC, E 509
102365	Calcium chloride dihydrate, suitable for use as an active ingredient EMPROVE® api Ph Eur, BP, JP, USP
106400	Sodium chloride EMPROVE® ESSENTIAL Ph Eur, BP, USP
100805	Titanium(IV) oxide EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, E171
108800	Zinc acetate dihydrate EMPROVE® ESSENTIAL Ph Eur, USP
108846	Zinc oxide EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

Liquid Dosage Form

pH Adjustment and Buffers

100056	Acetic acid (glacial) 100% EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 260	105101	di-Potassium hydrogen phosphate anhydrous, EMPROVE® ESSENTIAL Ph Eur, BP, E 340
100058	Acetic acid 96% EMPROVE® ESSENTIAL	137091	di-Sodium hydrogen phosphate anhydrous EMPROVE® bio Ph Eur, BP, USP
105422	Ammonia solution 25% EMPROVE® ESSENTIAL Ph Eur, BP	106585	di-Sodium hydrogen phosphate anhydrous EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 339
101142	Ammonium chloride EMPROVE® ESSENTIAL Ph Eur, BP, USP	137036	di-Sodium hydrogen phosphate dihydrate EMPROVE® bio Ph Eur, BP, USP
100924	Ammonium chloride extra pure Ph Eur, BP, USP	106576	di-Sodium hydrogen phosphate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP
100160	Boric acid cryst., EMPROVE® ESSENTIAL Ph Eur, BP, NF	106573	di-Sodium hydrogen phosphate dodecahydrate cryst. EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP
100162	Boric acid powder, EMPROVE® ESSENTIAL Ph Eur, BP, NF	137092	di-Sodium hydrogen phosphate heptahydrate EMPROVE® bio DAC, USP
102052	Calcium acetate hydrate extra pure DAC, FCC	106574	di-Sodium hydrogen phosphate heptahydrate EMPROVE® ESSENTIAL DAC, USP
102110	Calcium hydroxide EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, FCC, E 526	106303	di-Sodium tetraborate decahydrate EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF
102119	Calcium hydroxide precipitated ($\leq 0.0005\%$ Al) EMPROVE® ESSENTIAL USP, FCC, E 526	100383	DL-Malic acid EMPROVE® ESSENTIAL Ph Eur, NF, FCC, E 296
137002	Citric acid EMPROVE® bio Ph Eur, BP, JP, USP, ACS	100844	Ethanolamine EMPROVE® ESSENTIAL BP, NF
100247	Citric acid anhydrous fine-granular, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	137044	Ethanolamine suitable for biopharmaceutical production EMPROVE® bio BP, NF
100241	Citric acid anhydrous powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	817073	Fumaric acid NF
137003	Citric acid monohydrate EMPROVE® bio Ph Eur, BP, JP, USP, ACS	100569	Glycine (special grade) suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP
100242	Citric acid monohydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	100590	Glycine cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP
100243	Citric acid monohydrate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	100312	Hydrochloric acid 25% EMPROVE® ESSENTIAL Ph Helv
137010	di-Potassium hydrogen phosphate EMPROVE® bio Ph Eur, BP, USP	100314	Hydrochloric acid fuming 37% EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF
		100802	L(+)-Tartaric acid cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 334

Liquid Dosage Form

100803	L(+)-Tartaric acid powder EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 334	137093	Sodium dihydrogen phosphate monohydrate suitable for biopharmaceutical production EMPROVE® bio BP, USP
100366	Lactic acid about 90%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 270	106482	Sodium hydroxide pellets EMPROVE® ESSENTIAL Ph Eur, BP, FCC, JP, NF, E 524
104354	L-Histidine monohydrochloride monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP	106522	Sodium-(S)-lactate-solution about 50%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP
104352	L-Histidine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	100681	Succinic acid cryst., EMPROVE® ESSENTIAL NF, JPE, ACS
100563	ortho-Phosphoric acid 85% EMPROVE® ESSENTIAL Ph Eur, BP, JPE, NF, E 338	480704	Sulfuric acid 10% EMPROVE® EXPERT
100564	Phosphoric acid 89% extra pure Ph Eur, BP	100713	Sulfuric acid 95-98% EMPROVE® ESSENTIAL Ph Eur, BP, JPE, NF
104820	Potassium acetate extra pure Ph Eur, BP, E 261	137022	Triethanolamine (Trolamine) suitable for biopharmaceutical production EMPROVE® bio Ph Eur, JPE, NF
137039	Potassium dihydrogen phosphate EMPROVE® bio Ph Eur, BP, JPC, NF	104956	tri-Potassium citrate monohydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP, FCC, E 332
104871	Potassium dihydrogen phosphate cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JPC, NF, E 340	108307	Tris(hydroxymethyl)aminomethane (Trometamol) high purity EMPROVE® bio Ph Eur, BP, JPC, USP, ACS
105032	Potassium hydroxide pellets EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, FCC, E 525	108386	Tris(hydroxymethyl)aminomethane (Trometamol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JPC, USP
480864	Potassium hydroxide solution 46-48% EMPROVE® EXPERT	106431	tri-Sodium citrate 5, 5-hydrate EMPROVE® ESSENTIAL FU VIII, E 331
106281	Sodium acetate anhydrous extra pure USP, FCC, E 262	111037	tri-Sodium citrate anhydrous, EMPROVE® ESSENTIAL USP, FCC, E 331
137046	Sodium acetate anhydrous suitable for biopharmaceutical production EMPROVE® bio USP	106432	tri-Sodium citrate dihydrate cryst., EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331
106265	Sodium acetate trihydrate extra pure Ph Eur, BP, JP, USP, FCC, E 262	106447	tri-Sodium citrate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331
137012	Sodium acetate trihydrate suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP	106446	tri-Sodium citrate dihydrate powder, EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E 331
137018	Sodium dihydrogen phosphate dihydrate EMPROVE® bio Ph Eur, BP, USP, JPE		
106345	Sodium dihydrogen phosphate dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP, JPE, E 339		
106349	Sodium dihydrogen phosphate monohydrate EMPROVE® ESSENTIAL BP, USP		

Preservatives

101005	1, 1, 1, -Trichloro-2-methyl-2-propanol hemihydrate Ph Eur, BP, JP, NF
817046	Benzalkonium chloride (50% aqueous solution) EMPROVE® ESSENTIAL Ph Eur, NF

Liquid Dosage Form

817032 Benzalkonium chloride EMPROVE® ESSENTIAL Ph Eur, NF

100130 Benzoic acid powder, EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 210

100987 Benzyl alcohol special grade (benzaldehyde ≤ 0.05%), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF

100981 Benzyl alcohol, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF

100160 Boric acid cryst., EMPROVE® ESSENTIAL Ph Eur, BP, NF

100162 Boric acid powder, EMPROVE® ESSENTIAL Ph Eur, BP, NF

108439 Calcium Titriplex® dihydrate EMPROVE® ESSENTIAL Ph Eur, BP, USP

100944 Ethylenedinitrilotetraacetic acid extra pure Ph Eur, NF

106757 Methyl 4-hydroxy benzoate EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, FCC

106756 Methyl 4-hydroxy benzoate sodium salt EMPROVE® ESSENTIAL Ph Eur, BP, NF

105119 Potassium sorbate granules, EMPROVE® ESSENTIAL Ph Eur, BP, NF, FCC, E 202

105118 Potassium sorbate powder, EMPROVE® ESSENTIAL Ph Eur, BP, NF, FCC, E 202

107427 Propyl 4-hydroxy benzoate EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, FCC

107428 Propyl 4-hydroxybenzoate sodium EMPROVE® ESSENTIAL Ph Eur, BP, NF

106290 Sodium benzoate EMPROVE® ESSENTIAL Ph Eur, BP, NF, FCC, E 211

100662 Sorbic acid EMPROVE® ESSENTIAL Ph Eur, BP, NF, FCC, E 200

817043 Thimerosal Ph Eur, BP, USP

108421 Titriplex® III (ethylene dinitrilo tetraacetic acid disodium salt dihydrate) EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

Antioxidants

817023 Butylhydroxyanisole Ph Eur, NF, E 320

817074 Butylhydroxytoluene Ph Eur, JPE, NF, E 321

105056 Potassium disulfite EMPROVE® ESSENTIAL Ph Eur, NF, E 224

106357 Sodium disulfite (sodium metabisulfite) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 223

106652 Sodium sulfite EMPROVE® ESSENTIAL Ph Eur, BP, NF, E 221

106514 Sodium thiosulfate pentahydrate cryst., EMPROVE® ESSENTIAL Ph Eur, BP, USP

106513 Sodium thiosulfate pentahydrate pure

137004 Titriplex® III (ethylenedinitrilotetraacetic acid disodium salt dihydrate) suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP, ACS

108421 Titriplex® III (ethylene dinitrilo tetraacetic acid disodium salt dihydrate) EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

Taste Modifiers

105995 (-)-Menthol EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

105321 D(-)-Fructose EMPROVE® ESSENTIAL Ph Eur, BP, USP, FCC

104061 D(+)-Galactose EMPROVE® ESSENTIAL Ph Eur, BP

108346 Glucose monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP

100803 L(+)-Tartaric acid powder EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E 334

103583 Parteck® SI 150 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, JSFA, E420

115079 Parteck® SI 200 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF, E420

Liquid Dosage Form

103140 Parateck® SI 400 (Sorbitol) EMPROVE® ESSENTIAL Ph Eur, BP, JSFA, NF, E420

111597 Parateck® SI 400 LEX (Sorbitol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, JP

103557 Parateck® SI 450 (Sorbitol) EMPROVE® ESSENTIAL NF, FCC, JSFA

817022 Saccharin EMPROVE® ESSENTIAL Ph Eur, NF

817042 Saccharin sodium dihydrate EMPROVE® ESSENTIAL Ph Eur, USP

817044 Sodium cyclamate EMPROVE® ESSENTIAL Ph Eur, BP

102975 Sorbitol FP liquid (sorbitol syrup, noncrystallizing) EMPROVE® ESSENTIAL Ph Eur, BP, NF, E 420

102994 Sorbitol liquid (sorbitol syrup, crystallizing) EMPROVE® ESSENTIAL Ph Eur, BP, USP, E 420

100895 Sucralose granular EMPROVE® ESSENTIAL Ph Eur, NF, JPE

100894 Sucralose powder EMPROVE® ESSENTIAL Ph Eur, NF, JPE

107653 Sucrose EMPROVE® ESSENTIAL Ph Eur, BP, JP, NF

100892 Sucrose low in endotoxins, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF

100773 Tannic acid powder EMPROVE® ESSENTIAL Ph Eur, JP, USP

108167 Thymol cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF

108510 Vanillin EMPROVE® ESSENTIAL Ph Eur, BP, NF

Solvents

107478 1, 2-Propanediol EMPROVE® ESSENTIAL Ph Eur, BP, USP

100995 2-Propanol EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP

100013 Acetone EMPROVE® ESSENTIAL Ph Eur, BP, JPE, NF

102431 Chloroform EMPROVE® ESSENTIAL

137117 Dimethyl sulfoxide EMPROVE® EXPERT Ph Eur, USP

100971 Ethanol 96%, suitable for use as excipient EMPROVE® exp Ph Eur, BP

100967 Ethanol 96%, suitable for use as excipient EMPROVE® exp Ph Eur, JP, USP

100986 Ethanol absolute, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP

100864 Ethyl acetate EMPROVE® ESSENTIAL Ph Eur, BP, NF

137028 Glycerol EMPROVE® bio Ph Eur, BP, JP, USP, ACS

104091 Glycerol 85%, suitable for use as excipient EMPROVE® exp Ph Eur, BP

104093 Glycerol anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 422

106008 Methanol EMPROVE® ESSENTIAL Ph Eur, BP, JPE, NF

100471 Oleic acid vegetable, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF

105008 Propanol, suitable for preparative chromatography EMPROVE® bio Ph Eur, BP, USP

Thickeners

104072 Gelatin (sheets) EMPROVE® ESSENTIAL Ph Eur, BP, NF

104078 Gelatin powder, EMPROVE® ESSENTIAL Ph Eur, BP, NF

817009 Polyethylene glycol 1000 EMPROVE® ESSENTIAL Ph Eur

817008 Polyethylene glycol 10000, suitable for use as excipient EMPROVE® exp Ph Eur

Liquid Dosage Form

817005 Polyethylene glycol 1500 (scales) EMPROVE® ESSENTIAL Ph Eur

817001 Polyethylene glycol 200 EMPROVE® ESSENTIAL DAB 8

817020 Polyethylene glycol 2000, suitable for use as excipient EMPROVE® exp DAB

817018 Polyethylene glycol 20000 EMPROVE® ESSENTIAL Ph Eur

817002 Polyethylene glycol 300 EMPROVE® ESSENTIAL Ph Eur

817019 Polyethylene glycol 3000 EMPROVE® ESSENTIAL Ph Eur

817003 Polyethylene glycol 400 EMPROVE® ESSENTIAL Ph Eur, JP

817006 Polyethylene glycol 4000 (powder) EMPROVE® ESSENTIAL Ph Eur

817063 Polyethylene glycol 4000 (scales) EMPROVE® ESSENTIAL Ph Eur

817004 Polyethylene glycol 600 EMPROVE® ESSENTIAL Ph Eur

817007 Polyethylene glycol 6000 EMPROVE® ESSENTIAL Ph Eur

141365 Polyvinyl alcohol 18–88, powder EMPROVE® exp Ph Eur, USP

141355 Polyvinyl alcohol 18–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141362 Polyvinyl alcohol 26–88, powder EMPROVE® exp Ph Eur, USP

141352 Polyvinyl alcohol 26–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141356 Polyvinyl alcohol 28–99, suitable for use as excipient EMPROVE® exp JPE

141363 Polyvinyl alcohol 40–88, powder EMPROVE® exp Ph Eur, USP

141353 Polyvinyl alcohol 40–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141360 Polyvinyl alcohol 4–88, powder, suitable for use as excipient EMPROVE® exp Ph Eur, USP

141350 Polyvinyl alcohol 4–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141364 Polyvinyl alcohol 5–88, powder EMPROVE® exp Ph Eur, USP

141354 Polyvinyl alcohol 5–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

141361 Polyvinyl alcohol 8–88, powder EMPROVE® exp Ph Eur, USP

141351 Polyvinyl alcohol 8–88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE

113126 Silicon dioxide colloidal, highly dispersed EMPROVE® ESSENTIAL Ph Eur, NF, JP, E 551

101253 Starch soluble extra pure

Surfactants

100989 Cetyl alcohol EMPROVE® ESSENTIAL Ph Eur, BP, NF, JP

137112 Poloxamer 188 EMPROVE® EXPERT (stabilized with 70 ppm BHT) Ph Eur, NF

817034 Sodium dodecyl sulfate Ph Eur

817072 Tween® 20 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JPE, NF

817076 Tween® 60 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JPE, NF

817061 Tween® 80 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JP, NF

Tonicity Agents

101816 Ammonium sulfate suitable for biopharmaceutical production EMPROVE® bio ACS, NF

142002 Calcium chloride dihydrate EMPROVE® Ph Eur, BP, JP, USP, FCC, E 509

Liquid Dosage Form

137101 Calcium chloride dihydrate suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP

137001 Calcium chloride dihydrate suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP

105980 D(-)-Mannitol EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, FCC, E 421

137096 D(-)-Mannitol EMPROVE® EXPERT Ph Eur, BP, USP, JP

105988 D(-)-Mannitol fine powder EMPROVE® ESSENTIAL Ph Eur, BP, USP, JP, FCC, E 421

105303 D(-)-Mannitol low in endotoxins EMPROVE® API Ph Eur, BP, USP

108346 D(+)-Glucose monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP

137008 Magnesium chloride hexahydrate EMPROVE® bio Ph Eur, BP, USP, JPC, ACS

105832 Magnesium chloride hexahydrate cryst. EMPROVE® Ph Eur, BP, USP, JPC, FCC, E 511

137182 Magnesium sulfate heptahydrate EMPROVE® EXPERT Ph Eur, BP, JP, USP

104937 Potassium chloride EMPROVE® ESSENTIAL Ph Eur, BP, E 508

104935 Potassium chloride EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, FCC, E 508

137009 Potassium chloride suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, USP, JP

106400 Sodium chloride EMPROVE® ESSENTIAL Ph Eur, BP, USP

116224 Sodium chloride low in endotoxins, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP

137017 Sodium chloride suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP

137144 Sodium sulfate anhydrous EMPROVE® EXPERT Ph Eur, USP, BP

106645 Sodium sulfate anhydrous extra pure fine powder Ph Eur, BP, USP

Stabilizers

106143 Meglumine low in endotoxins EMPROVER API Ph Eur, ChP, JP, USP

100193 Caprylic acid (Octanoic acid) suitable for biopharmaceutical production Ph Eur, NF

142020 Cyclodextrin HPB suitable for use as excipient EMPROVE® exp Ph Eur, NF

137096 D(-)-Mannitol EMPROVE® EXPERT Ph Eur, BP, USP, JP

100944 Ethylenedinitrilotetraacetic acid extra pure Ph Eur, NF

100590 Glycine cryst. suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP

101544 L-Arginine monohydrochloride suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP

101587 L-Arginine suitable for use as excipient EMPROVE® exp Ph Eur, USP

104354 L-Histidine monohydrochloride monohydrate suitable for use as excipient EMPROVE® exp Ph Eur, BP

104352 L-Histidine suitable for use as excipient EMPROVE® exp Ph Eur, USP

112488 N-Acetyl-DL-tryptophan suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP

111597 Parteck® SI 400 LEX (Sorbitol) suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, JP

137112 Poloxamer 188 EMPROVE® EXPERT (stabilized with 70 ppm BHT) Ph Eur, NF

817003 Polyethylene glycol 400 EMPROVE® ESSENTIAL Ph Eur, JP

817006 Polyethylene glycol 4000 (powder) EMPROVE® ESSENTIAL Ph Eur

817063 Polyethylene glycol 4000 (scales) EMPROVE® ESSENTIAL Ph Eur

817081 Sodium caprylate suitable for use as excipient EMPROVE® exp Ph Eur, NF

Liquid Dosage Form

107654 Sucrose (saccharose) for density gradient ultracentrifugation suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, NF, JP

100892 Sucrose low in endotoxins suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF

817072 Tween® 20 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JPE, NF

817076 Tween® 60 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JPE, NF

817061 Tween® 80 (Polysorbate) EMPROVE® ESSENTIAL Ph Eur, JP, NF

Advanced Drug Delivery – Biodegradable Polymers

543108 EXPANSORB® DL 100-1A

543109 EXPANSORB® DL 100-2A

543110 EXPANSORB® DL 100-5A

543111 EXPANSORB® DL 100-7A

543112 EXPANSORB® DLL 10-15A

543113 EXPANSORB® DL 100-2E

543114 EXPANSORB® DLG 45-2A

543115 EXPANSORB® DLG 50-2A

543116 EXPANSORB® DLG 50-3A

543117 EXPANSORB® DLG 50-5A

543118 EXPANSORB® DLG 50-6A

543119 EXPANSORB® DLG 50-8A

543120 EXPANSORB® DLG 55-5A

543121 EXPANSORB® DLG 65-3A

543122 EXPANSORB® DLG 65-6A

543124 EXPANSORB® DLG 75-2A

543125 EXPANSORB® DLG 75-5A

543126 EXPANSORB® DLG 75-7A

543127 EXPANSORB® DLG 75-8A

543123 EXPANSORB® DLG 75-10A

543129 EXPANSORB® DLG 85-2A

543128 EXPANSORB® DLG 85-7A

543130 EXPANSORB® DLG 90-5A

543131 EXPANSORB® DLG 90-7A

543132 EXPANSORB® DLG 95-2A

543133 EXPANSORB® DLG 95-4A

543134 EXPANSORB® DLG 50-2E

543135 EXPANSORB® DLG 50-6E

543136 EXPANSORB® DLG 50-7E

543137 EXPANSORB® DLG 65-6E

Liquid Dosage Form

543138 EXPANSORB® DLG 75-2E

543139 EXPANSORB® DLG 75-4E

543140 EXPANSORB® DLG 75-7E

543141 EXPANSORB® DLG 75-9E

543142 EXPANSORB® DLG 85-7E

545583 EXPANSORB® DLG 85-12E

543143 EXPANSORB® DLG 50-6P

543144 EXPANSORB® DLG 50-7P

545223 EXPANSORB® DLG 75-4A

W00459 SYNTHECHOL

CH CHEMS
2900012

W002467 Squalene

53096 GDO
62900

W50230 Palmitic Acid

W50222 Tripalmitin

Advanced Drug Delivery – Lipids

CH (R,S) DOTAP
2900014

CH (R)-DOTAP
2900029

CH (S)-DOTAP
2900030

50024 (R)-DOTMA
92900

50024 (R)-DODMA
42900

CH DOPC
2900013

50026 DOPE
02900

CH DPPC
2900047

API Product List

100164 Boric acid cryst. EMPROVE® API Ph Eur, BP, NF

102422 Calcium carbonate precipitate ($\leq 0.002\%$ Fe) EMPROVE® API Ph Eur, BP, JP, USP

102465 Calcium chloride dihydrate EMPROVE® API Ph Eur, BP, JP, USP

500112 Cocarboxylase chloride thiamine diphosphoric acid ester chloride, EMPROVE® API

500111 Cocarboxylase tetrahydrate (thiamine diphosphoric acid ester tetrahydrate), EMPROVE® API

109828 di-Potassium hydrogen phosphate anhydrous, low in sodium EMPROVE® API Ph Eur, BP, USP

102367 Magnesium chloride hexahydrate cryst. EMPROVE® API Ph Eur, BP, JPC, USP

106143 Meglumine low in endotoxins EMPROVE® API Ph Eur, ChP, JP, USP

105040 Potassium iodide EMPROVE® API Ph Eur, BP, JP, USP

106236 Sodium acetate anhydrous EMPROVE® API USP, FCC, E 262

106235 Sodium acetate trihydrate EMPROVE® API Ph Eur, BP, JP, USP, FCC, E 262

106444 Sodium chloride EMPROVE® API Ph Eur, BP, JP, USP

106441 Sodium fluoride EMPROVE® API Ph Eur, BP, USP

500667 Thiamine phosphoric acid ester chloride dihydrate EMPROVE® API

106666 tri-Sodium citrate dihydrate low in endotoxins EMPROVE® API Ph Eur, BP, JP, USP

108432 Urea cryst. EMPROVE® API Ph Eur, BP, USP

108815 Zinc chloride EMPROVE® API Ph Eur, BP, USP

CH 2900010 Calcium folinate amorphous, Ph Eur / Leucovorincalcium amorphous, USP

CH 2900011 Calcium folinate crystalline, Ph Eur / Leucovorincalcium crystalline, USP

CH 2900018 Calcium levofolate pentahydrate, Ph Eur / Levoleucovorin calcium pentahydrate

CH 2900056 Levomefolate calcium

CH 2900019 Metafolin® ground (6S)-5-methyltetrahydrofolic acid, calcium salt / L-Methylfolate, calcium

CH 2900020 Metafolin® micronized (6S)-5-methyltetrahydrofolic acid, calcium salt / L-Methylfolate, calcium

CH 2900034 Zinc histidine dihydrate

ARK2015 Acepromazine Maleate, USP, BP

ARK2163 Benzyl Alcohol, NF, Ph Eur

ARK2055 Brompheniramine Maleate, USP, BP, Ph Eur

ARK2117 Butoconazole Nitrate Milled, USP

ARK2116 Butoconazole Nitrate Micronised, USP

ARK2091 Clomipramine Hydrochloride, USP, BP, Ph Eur

ARK2009 Doxylamine Succinate, USP, BP, Ph Eur

ARK2046 Lofepamine Hydrochloride, BP, Ph Eur

ARK2086 Nortriptyline Hydrochloride, USP, BP, Ph Eur

ARK2062 Promethazine Hydrochloride, USP, BP, Ph Eur

ARK2148 Sodium Benzoate, Ph Eur

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