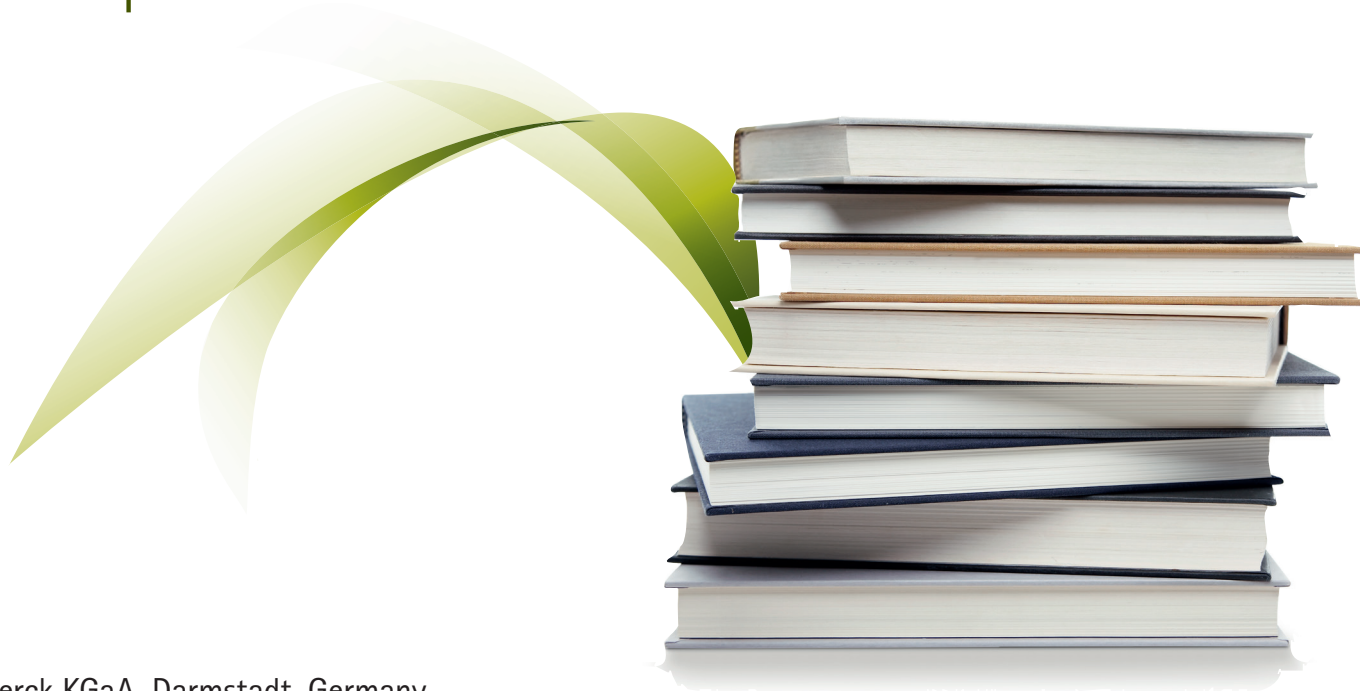


A list of advantages for the global market

International production made easy
with multicompendial pharma raw materials



Benefit from a single source for manifold success

The global market aims to be open to everyone. Very often, it is a jungle. With national regulations, different vendors, and decentralized processes. EMD Millipore is here to make working internationally easier for you.

With our multicompendial pharmaceutical raw materials we enable our customers to reduce their efforts by using raw materials that are fit for the needs of international drug registration procedures. Our pharmacopoeial-grade raw materials can be used globally, they save time and mitigate risks.

As we said, it's a list of advantages. And since we're continuously adding new products, it keeps growing all the time.

EMD pharma raw materials with pharmacopoeias

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
137000	Acetic acid (glacial) 100%, suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP, ACS	BIO	•	•	•					•							•
100056	Acetic acid (glacial) 100%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 260	EXP	•	•	•					•							•
137035	Acetic acid 1 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137047	Acetic acid 30%, suitable for biopharmaceutical production EMPROVE® bio Ph Helv	BIO											•				
137005	Acetic acid 70%, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137011	Acetic acid 75%, suitable for the biopharmaceutical production EMPROVE® bio	BIO															
100058	Acetic acid 96%, suitable for use as excipient EMPROVE® exp	EXP															
100013	Acetone, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JPE, NF	EXP	•					•		•						•	
112488	N-Acetyl-DL-tryptophan, suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP	BIO	•							•							
100090	Adipic acid, suitable for use as excipient EMPROVE® exp Ph Eur, NF, FCC, E 355	EXP	•											•	•	•	
101700	L-Alanine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
500949	All-rac- α -Tocopherol, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, E 307	EXP	•	•						•							•
500952	All-rac- α -Tocopheryl acetate (Vitamin E acetate), suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC	EXP	•	•						•				•			
101084	Aluminium chloride hexahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
101042	Aluminium potassium sulfate dodecahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
100102	4-Aminobenzoic acid, suitable for use as excipient EMPROVE® exp USP	EXP		•													
480905	Ammonia solution 10%, suitable for biopharmaceutical production EMPROVE® bio	BIO															
105422	Ammonia solution 25%, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•						•								
101136	Ammonium carbonate, suitable for use as excipient EMPROVE® exp Ph Franç, NF, E 503	EXP										•		•	•		
101142	Ammonium chloride, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
101131	Ammonium hydrogen carbonate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 503	EXP	•						•						•		
101155	di-Ammonium hydrogen citrate, suitable for use as excipient EMPROVE® exp	EXP															
101206	di-Ammonium hydrogen phosphate, suitable for use as excipient EMPROVE® exp NF	EXP												•			
101816	Ammonium sulfate, suitable for the biopharmaceutical production EMPROVE® bio ACS, NF	BIO												•			•
101544	L-Arginine monohydrochloride, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
101587	L-Arginine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
500090	L(+)-Ascorbyl palmitate (6-palmitoyl-L-ascorbic acid), suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, FCC, E 304	EXP	•						•					•	•	•	
101565	L-Asparagine monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
101750	Barium sulfate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
817046	Benzalkonium chloride (50% aqueous solution), suitable for use as excipient EMPROVE® exp Ph Eur, NF	EXP	•											•			

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
817032	Benzalkonium chloride, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
100130	Benzoic acid powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, E 210	EXP	•	•					•							•	
101697	Benzonase®, suitable for biopharmaceutical production EMPROVE® bio	BIO															
101695	Benzonase®, suitable for biopharmaceutical production EMPROVE® bio	BIO															
100987	Benzyl alcohol special grade (benzaldehyde ≤ 0.05%), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF	EXP	•		•				•						•		
137043	Benzyl alcohol, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, NF, ACS	BIO	•		•				•						•		•
100981	Benzyl alcohol, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF	EXP	•		•				•						•		
106752	Benzyl nicotinate, suitable for use as an active pharmaceutical ingredient EMPROVE® api DAB	API								•							
105006	Bole white powder low bacterial content, for internal use, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•						•								
100164	Boric acid cryst., suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, NF	API	•						•						•		
100160	Boric acid cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•						•						•		
100162	Boric acid powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•						•						•		
100988	1-Butanol, suitable for use as excipient EMPROVE® exp NF	EXP													•		
102584	Caffeine, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
102422	Calcium carbonate precipitate (≤ 0.002% Fe), suitable for use as active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, USP	API	•	•					•								

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration															
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS	
102064	Calcium carbonate precipitated ($\leq 0.002\%$ Fe) EMPROVE® Ph Eur, BP, USP, JP, FCC		•	•	•					•					•			
112120	Calcium carbonate precipitated ($\leq 0.0001\%$ Al), suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JP, FCC, E 170	EXP	•	•	•					•					•		•	
102074	Calcium carbonate precipitated, special grade ($\leq 0,002\%$ Fe), suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•								
102069	Calcium carbonate precipitated, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, E 170, FCC	EXP	•	•						•					•		•	
142000	Calcium chloride dihydrate EMPROVE® Ph Eur, BP, JP, USP, FCC, E 509		•	•	•					•					•		•	
137001	Calcium chloride dihydrate, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP	BIO	•	•	•					•								
102365	Calcium chloride dihydrate, suitable for use as an active ingredient EMPROVE® api Ph Eur, BP, JP, USP	API	•	•	•					•								
102092	tri-Calcium dicitrate tetrahydrate, suitable for use as excipient EMPROVE® exp DAC, USP, E 333, FCC	EXP		•									•		•		•	
102148	Calcium D-saccharate, suitable for use as excipient EMPROVE® exp USP	EXP		•														
102101	Calcium gluconate monohydrate low in endotoxins, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC, E 578	EXP	•	•						•					•		•	
102094	Calcium gluconate monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC, E 578	EXP	•	•						•					•		•	
102144	Calcium hydrogen phosphate anhydrous extra fine powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC, E 341	EXP	•	•						•					•		•	
102146	Calcium hydrogen phosphate dihydrate extra fine powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC, E 341	EXP	•	•						•					•		•	
102304	Calcium hydrogen phosphate anhydrous extra fine powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, FCC, E 341	EXP	•	•	•					•					•		•	

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
102119	Calcium hydroxide precipitated ($\leq 0.0005\%$ Al), suitable for use as excipient EMPROVE® exp USP, FCC, E 526	EXP		•										•		•	
102110	Calcium hydroxide, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JP, FCC	EXP	•	•	•					•				•			
102102	Calcium lactate pentahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, E 327	EXP	•	•						•						•	
102143	Calcium phosphate dried, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 341	EXP	•							•						•	
102160	Calcium sulfate dihydrate precipitated, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 516	EXP	•							•						•	
108439	Calcium Titriplex® dihydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
104112	Calciumglycerophosphate hydrate, suitable for use as excipient EMPROVE® exp Ph Eur, FCC	EXP	•											•			
100989	Cetyl alcohol, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, JP	EXP	•		•					•						•	
115419	Cetyl palmitate 15 (cetyl esters wax), suitable for use as excipient EMPROVE® exp Ph Eur, NF	EXP	•													•	
102425	Chloral hydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•					•							
102431	Chloroform, suitable for use as excipient EMPROVE® exp BP	EXP								•							
500117	Choline chloride, suitable for use as excipient EMPROVE® exp DAB 10, FCC	EXP									•			•			
500115	Choline hydrogen tartrate, suitable for use as excipient EMPROVE® exp DAB 10, FCC	EXP									•			•			
480855	Citric acid 50%, suitable for biopharmaceutical production EMPROVE® bio	BIO															
100247	Citric acid anhydrous fine-granular, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	EXP	•	•	•					•				•		•	

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
137002	Citric acid anhydrous powder, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP, ACS	BIO	•	•	•					•							•
100241	Citric acid anhydrous powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	EXP	•	•	•					•						•	•
137003	Citric acid monohydrate cryst., suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP, ACS	BIO	•	•	•					•							•
100242	Citric acid monohydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	EXP	•	•	•					•						•	•
100243	Citric acid monohydrate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 330, FCC	EXP	•	•	•					•						•	•
500112	Coccarboxylase chloride thiamine diphosphoric acid ester chloride, suitable for use as an active pharmaceutical ingredient EMPROVE® api	API															
500111	Coccarboxylase tetrahydrate (thiamine diphosphoric acid ester tetrahydrate), suitable for use as an active pharmaceutical ingredient EMPROVE® api	API															
102792	Copper(II) sulfate anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
102787	Copper(II) sulfate pentahydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
102788	Copper(II) sulfate pentahydrate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
102735	L-Cysteine hydrochloride monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
106049	Dichloromethane, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•						•	
100926	Diethyl ether, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
100971	Ethanol 96%, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
100967	Ethanol 96%, suitable for use as excipient EMPROVE® exp Ph Eur, JP, USP	EXP	•	•	•												

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
100986	Ethanol absolute, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•					•							
137044	Ethanolamine, suitable for biopharmaceutical production EMPROVE® bio BP, NF	BIO								•						•	
100844	Ethanolamine, suitable for use as excipient EMPROVE® exp BP, NF	EXP								•						•	
100887	Ethyl 4-hydroxybenzoate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, E 214	EXP	•		•					•						•	•
100864	Ethyl acetate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•						•	
100263	Formic acid 98–100%, suitable for use as excipient EMPROVE® exp DAC	EXP															•
104061	D(+)-Galactose, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
104072	Gelatin (sheets), suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•						•	
104078	Gelatin powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•						•	
108346	D(+)-Glucose monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
101791	L-Glutamic acid, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
100286	L-Glutamine, suitable for use as excipient EMPROVE® exp DAB, USP	EXP		•													•
104090	Glutathione (reduced), suitable for biopharmaceutical production EMPROVE® bio Ph Eur	BIO	•														
104091	Glycerol 85%, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
137028	Glycerol anhydrous (vegetable), suitable for the biopharmaceutical production EMPROVE® bio, Ph Eur, BP, JP, USP, ACS	BIO	•	•	•					•							•
104093	Glycerol anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 422	EXP	•	•	•					•							•

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
500190	Glycine cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•					•							
100590	Glycine cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•					•							
104228	Gum arabic spray-dried, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
104354	L-Histidine monohydrochloride monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
104352	L-Histidine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
110165	Hydrochloric acid 1 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
480592	Hydrochloric acid 10%, suitable for biopharmaceutical production EMPROVE® bio Ph Eur, JP, NF	BIO	•		•										•		
480708	Hydrochloric acid 17%, suitable for the biopharmaceutical production EMPROVE® bio	BIO															
480934	Hydrochloric acid 2 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137312	Hydrochloric acid 25%, suitable for biopharmaceutical production EMPROVE® bio Ph Helv	BIO											•				
100312	Hydrochloric acid 25%, suitable for use as excipient EMPROVE® exp Ph Helv	EXP											•				
480680	Hydrochloric acid 3 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137055	Hydrochloric acid 4 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
480791	Hydrochloric acid 5 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
110164	Hydrochloric acid 6 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration															
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS	
137007	Hydrochloric acid fuming 37%, suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, NF, ACS	BIO	•		•					•						•		•
100314	Hydrochloric acid fuming 37%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF	EXP	•		•					•						•		
108597	Hydrogen peroxide 30% stabilized, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•								
108600	Hydrogen peroxide 35%, suitable for use as excipient EMPROVE® exp	EXP	•															
104731	myo-Inositol, suitable for use as excipient EMPROVE® exp Ph Eur, FCC	EXP	•												•			
104760	Iodine purified by sublimation, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•								
103963	Iron(II) sulfate heptahydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC	EXP	•	•						•					•			
103814	Iron(III)-chloride-hexahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, JP	EXP	•		•													
105357	L-Isoleucine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•														
108117	Kieselguhr purified and calcined, suitable for use as excipient EMPROVE® exp NF	EXP														•		
100366	(S)-Lactic acid about 90%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 270	EXP	•							•								•
108195	Lactose monohydrate (milk sugar) special grade for tableting, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, JP	EXP	•		•					•						•		
107656	Lactose monohydrate (milk sugar) powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, JP	EXP	•		•					•						•		
137045	Lactose monohydrate powder, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, NF, JP	BIO	•		•					•						•		
105020	L-Leucine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•														
105683	tri-Lithium citrate tetrahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•								

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
105701	L-Lysine monohydrochloride, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
105832	Magnesium chloride hexahydrate cryst. EMPROVE® Ph Eur, BP, USP, JPC, FCC, E 511		•	•		•			•					•		•	
137008	Magnesium chloride hexahydrate cryst., suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, USP, JPC, ACS	BIO	•	•		•			•								•
102367	Magnesium chloride hexahydrate cryst., suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, USP	API	•	•					•								
105872	Magnesium hydrogen phosphate trihydrate, suitable for use as excipient EMPROVE® exp DAB	EXP								•							
105867	Magnesium oxide heavy, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
105882	Magnesium sulfate heptahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JP	EXP	•	•	•				•								
105885	Magnesium sulfate hydrate, suitable for use as excipient EMPROVE® exp DAC	EXP									•						
100383	DL-Malic acid, suitable for use as excipient EMPROVE® exp Ph Eur, NF, FCC, E 296	EXP	•											•	•	•	
105911	Maltose monohydrate, suitable for use as excipient EMPROVE® exp	EXP															
105999	Manganese(II) sulfate monohydrate spray dried, suitable for use as excipient EMPROVE® exp Ph Eur, USP, FCC	EXP	•	•										•			
105988	D(-)-Mannitol fine powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JP, FCC, E 421	EXP	•	•	•				•					•		•	
105303	D(-)-Mannitol low in endotoxins, suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, USP, JP	API	•	•	•				•								
105980	D(-)-Mannitol, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JP, FCC, E 421	EXP	•	•	•				•					•		•	
106143	Meglumine low in endotoxins, suitable for use as active pharmaceutical ingredient EMPROVE® api Ph Eur, JP, USP	API	•	•	•												

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
105995	(-)-Menthol cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•					•							
106008	Methanol, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•						•	
500986	DL-Methionine, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
106757	Methyl 4-hydroxybenzoate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, FCC, E 218	EXP	•		•					•				•	•	•	
106756	Methyl 4-hydroxybenzoate sodium salt, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, E 219	EXP	•							•					•	•	
106070	Methyl salicylate synthetic, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•					•		
100471	Oleic acid vegetable, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•					•		
108330	Oxyhex® L liquid antioxidant for fats and oils, suitable for use as excipient EMPROVE® exp	EXP															
106946	Oxyhex® LM antioxidant for fats and oils, suitable for use as excipient EMPROVE® exp	EXP															
107133	Pancreatin 1400 FIP-U/g Protease, 24000 FIP-U/g Lipase, 30000 FIP-U/g Amylase, suitable for use as excipient EMPROVE® exp Ph Eur, 4 x USP	EXP	•	•													
107130	Pancreatin (from porcine pancreas) 350 FIP-U/g Protease, 6000 FIP-U/g Lipase, 7500 FIP-U/g Amylase, suitable for use as excipient EMPROVE® exp USP	EXP		•													
107149	Papain 30000 USP-U/mg stabilized with sodium disulfite, suitable for use as excipient EMPROVE® exp	EXP															
107147	Papain 6000 USP-U/mg stabilized with sodium disulfite, suitable for use as excipient EMPROVE® exp	EXP															
104005	Paraformaldehyde, suitable for use as excipient EMPROVE® exp DAC	EXP									•						

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
112635	Parateck® Delta M (Mannitol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JP, E 421	EXP	•	•	•					•						•	
100664	Parateck® LUB CST (Calcium stearate vegetable grade), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, FCC	EXP	•		•					•				•	•		
100663	Parateck® LUB MST (Magnesium stearate vegetable grade), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, FCC	EXP	•		•					•				•	•		
100419	Parateck® M 200 (Mannitol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 421	EXP	•	•	•					•						•	
100493	Parateck® M 300 (Mannitol), suitable for use as excipient EMPROVE® exp, Ph Eur, BP, JP, USP, E 421	EXP	•	•	•					•						•	
111597	Parateck® SI 400 LEX (Sorbitol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, JP	EXP	•		•					•					•		
100661	Parateck® LUB STA 50 (Stearic acid 50 vegetable grade), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF	EXP	•		•					•					•		
108070	PARTECK® LUB Talc, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•					•							
100494	Parateck® M 100 (Mannitol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 421	EXP	•	•	•					•						•	
102440	Parateck® Mg DC (Magnesium hydroxide carbonate) heavy, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, E 504	EXP	•	•						•						•	
100490	Parateck® ODT, suitable for use as excipient EMPROVE® exp	EXP															
103583	Parateck® SI 150 (Sorbitol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, JSFA, E 420	EXP	•		•			•	•						•	•	
115079	Parateck® SI 200 (Sorbitol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, E 420	EXP	•		•				•	•					•	•	
103140	Parateck® SI 400 (Sorbitol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JSFA, NF, E 420	EXP	•					•	•						•	•	
103557	Parateck® SI 450 (Sorbitol), suitable for use as excipient EMPROVE® exp NF, FCC, JSFA	EXP						•						•	•		

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
107197	Pepsin (from porcine gastric mucosa) 0.7 Ph Eur U/mg, suitable for use as excipient EMPROVE® exp	EXP															
107190	Pepsin (from porcine gastric mucosa) 2000 FIP-U/g EC 3.4.23.1, suitable for use as excipient EMPROVE® exp	EXP															
100909	Petroleum benzine boiling range 40–60°C, suitable for use as excipient EMPROVE® exp DAB	EXP								•							
100201	Phenol, suitable for use as excipient EMPROVE® exp Ph Eur, JP, USP	EXP	•	•	•												
107230	Phenolphthalein, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
107267	L-Phenylalanine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
480939	Phosphoric acid 1 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
100563	ortho-Phosphoric acid 85%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JPE, NF, E 338	EXP	•				•		•						•	•	
107327	Piperazine hexahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•						•								
817009	Polyethylene glycol 1000, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
817005	Polyethylene glycol 1500 (scales), suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
817001	Polyethylene glycol 200, suitable for use as excipient EMPROVE® exp DAB 8	EXP								•							
817020	Polyethylene glycol 2000, suitable for use as excipient EMPROVE® exp DAB	EXP								•							
817018	Polyethylene glycol 20000, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
817002	Polyethylene glycol 300, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
817019	Polyethylene glycol 3000, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
817003	Polyethylene glycol 400, suitable for use as excipient EMPROVE® exp Ph Eur, JP	EXP	•		•												
817006	Polyethylene glycol 4000 (powder), suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
817063	Polyethylene glycol 4000 (scales), suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
817004	Polyethylene glycol 600, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
817007	Polyethylene glycol 6000, suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
817008	Polyethylen glycol 10000, suitable for use as excipient EMPROVE® exp	EXP															
141355	Polyvinyl alcohol 18-88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE	EXP	•	•				•									
141365	Polyvinyl alcohol 18-88, powder, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
141352	Polyvinyl alcohol 26-88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE	EXP	•	•				•									
141362	Polyvinyl alcohol 26-88, powder, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
141356	Polyvinyl alcohol 28-99, suitable for use as excipient EMPROVE® exp JPE	EXP						•									
141353	Polyvinyl alcohol 40-88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE	EXP	•	•				•									
141363	Polyvinyl alcohol 40-88, powder, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
141350	Polyvinyl alcohol 4-88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE	EXP	•	•			•										
141360	Polyvinyl alcohol 4-88, powder, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
141354	Polyvinyl alcohol 5-88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE	EXP	•	•			•										
141364	Polyvinyl alcohol 5-88, powder, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
141351	Polyvinyl alcohol 8-88, suitable for use as excipient EMPROVE® exp Ph Eur, USP, JPE	EXP	•	•			•										
141361	Polyvinyl alcohol 8-88, powder, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
104924	Potassium carbonate, suitable for use as excipient EMPROVE® exp Ph Eur, USP, E 501	EXP	•	•												•	
137009	Potassium chloride, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, USP	BIO	•	•					•								
100320	Potassium chloride, suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, JP, USP, E 508, FCC	API	•	•	•				•					•		•	
104937	Potassium chloride, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 508	EXP	•						•							•	
104935	Potassium chloride, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC, E 508	EXP	•	•					•					•		•	
104956	tri-Potassium citrate monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC, E 332	EXP	•	•					•					•		•	
137039	Potassium dihydrogen phosphate cryst., suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, NF	BIO	•						•						•		
104871	Potassium dihydrogen phosphate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, E 340	EXP	•						•						•	•	

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
105056	Potassium disulfite, suitable for use as excipient EMPROVE® exp Ph Eur, NF, E 224	EXP	•												•	•	
104852	Potassium hydrogen carbonate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC, E 501	EXP	•	•						•				•		•	
137010	di-Potassium hydrogen phosphate anhydrous, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, USP	BIO	•	•						•							
105101	di-Potassium hydrogen phosphate anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 340	EXP	•							•						•	
109828	di-Potassium hydrogen phosphate anhydrous, low in sodium, suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, USP	API	•	•						•							
105101	di-Potassium hydrogen phosphate anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 340	EXP	•							•						•	
105032	Potassium hydroxide pellets, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, FCC, E 525	EXP	•		•					•				•	•	•	
105040	Potassium iodide, suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, JP, USP	API	•	•	•					•							
105119	Potassium sorbate granules, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, FCC, E 202	EXP	•							•				•	•	•	
105118	Potassium sorbate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, FCC, E 202	EXP	•							•				•	•	•	
105150	Potassium sulfate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP	EXP	•		•					•							
105151	Potassium sulfate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, E 515	EXP	•		•					•						•	
107430	L-Proline, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
107478	1,2-Propanediol, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
105008	2-Propranol, suitable for preparative chromatography EMPROVE® bio Ph Eur, BP, USP	BIO	•	•					•								
100995	2-Propranol, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•				•								
107427	Propyl 4-hydroxybenzoate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, FCC	EXP	•		•				•					•	•		
107428	Propyl 4-hydroxybenzoate sodium salt, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•						•						•		
100631	Salicylic acid, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
100635	Salicylic acid fine powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
107647	L-Serine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
113126	Silicon dioxide colloidal, highly dispersed, suitable for use as excipient EMPROVE® exp Ph Eur, NF, JP, E 551	EXP	•		•										•	•	
137046	Sodium acetate anhydrous, suitable for the biopharmaceutical production EMPROVE® bio USP	BIO		•													
106236	Sodium acetate anhydrous, suitable for use as an active pharmaceutical ingredient EMPROVE® api USP, FCC, E 262	API		•										•		•	
137012	Sodium acetate trihydrate, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP	BIO	•	•	•				•								
106235	Sodium acetate trihydrate, suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, JP, USP, FCC, E 262	API	•	•	•				•					•		•	
106290	Sodium benzoate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, FCC, E 211	EXP	•						•					•	•	•	
817081	Sodium caprylate, suitable for use as excipient EMPROVE® exp Ph Eur, NF	EXP	•												•		
137014	Sodium carbonate anhydrous, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, NF	BIO	•		•				•						•		

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration																
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS		
106398	Sodium carbonate anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF	EXP	•		•					•						•			
106384	Sodium carbonate decahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, E 500	EXP	•							•								•	
106386	Sodium carbonate monohydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, E 500	EXP	•							•						•		•	
116224	Sodium chloride low in endotoxins, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•					•									
137017	Sodium chloride, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP	BIO	•	•	•					•									
106444	Sodium chloride, suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, JP, USP	API	•	•	•					•									
106400	Sodium chloride, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•									
106431	tri-Sodium citrate 5,5-hydrate, suitable for use as excipient EMPROVE® exp FU VIII, E 331	EXP																•	
111037	tri-Sodium citrate anhydrous, suitable for use as excipient EMPROVE® exp USP, FCC, E 331	EXP		•										•				•	
137042	tri-Sodium citrate dihydrate cryst., suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP, ACS	BIO	•	•	•					•									•
106432	tri-Sodium citrate dihydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 331	EXP	•	•	•					•									•
106446	tri-Sodium citrate dihydrate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 331	EXP	•	•	•					•									•
106447	tri-Sodium citrate dihydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, E 331	EXP	•	•	•					•									•
137018	Sodium dihydrogen phosphate dihydrate, suitable for the biophar- maceutical production EMPROVE® bio Ph Eur, BP, USP, JPE	BIO	•	•				•		•									

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
106345	Sodium dihydrogen phosphate dihydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JPE, E 339	EXP	•	•			•		•							•	
106349	Sodium dihydrogen phosphate monohydrate, suitable for use as excipient EMPROVE® exp BP, USP	EXP		•					•								
106357	Sodium disulfite (sodium metabisulfite), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, E 223	EXP	•		•				•						•	•	
106441	Sodium fluoride, suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, USP	API	•	•					•								
137013	Sodium hydrogen carbonate, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, USP, JP	BIO	•	•	•				•								
106323	Sodium hydrogen carbonate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, FCC, E 500	EXP	•	•	•				•					•		•	
106585	di-Sodium hydrogen phosphate anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, E 339	EXP	•	•					•							•	
137036	di-Sodium hydrogen phosphate dihydrate, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, USP	BIO	•	•					•								
106576	di-Sodium hydrogen phosphate dihydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
106573	di-Sodium hydrogen phosphate dodecahydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•				•								
106574	di-Sodium hydrogen phosphate heptahydrate, suitable for use as excipient EMPROVE® exp DAC, USP	EXP		•							•						
137020	Sodium hydroxide pellets, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, NF, ACS	BIO	•		•				•						•		•
106482	Sodium hydroxide pellets, suitable for use as excipient EMPROVE® exp Ph Eur, BP, FCC, JP, NF, E 524	EXP	•		•				•					•	•	•	
137058	Sodium hydroxide solution 0,1 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
100233	Sodium hydroxide solution 0,25 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137060	Sodium hydroxide solution 0,5 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137031	Sodium hydroxide solution 1 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
480648	Sodium hydroxide solution 10 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
100232	Sodium hydroxide solution 10%, suitable for biopharmaceutical production EMPROVE® bio	BIO															
480512	Sodium hydroxide solution 2 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
480778	Sodium hydroxide solution 20%, suitable for biopharmaceutical production EMPROVE® bio	BIO															
480005	Sodium hydroxide solution 20% low iron, suitable for biopharmaceutical production EMPROVE® bio	BIO															
480904	Sodium hydroxide solution 25%, suitable for biopharmaceutical production EMPROVE® bio	BIO															
480659	Sodium hydroxide solution 25% low iron, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137023	Sodium hydroxide solution 32%, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137041	Sodium hydroxide solution 5 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
100238	Sodium hydroxide solution 50%, suitable for biopharmaceutical production EMPROVE® bio	BIO															
137032	Sodium hydroxide solution 6 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
480763	Sodium hydroxide solution 8 mol/L, suitable for biopharmaceutical production EMPROVE® bio	BIO															
106520	Sodium iodide, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP		•	•					•							
106445	Sodium L-glutamate monohydrate, suitable for use as excipient EMPROVE® exp FCC, NF, E 621	EXP												•	•	•	
106577	tri-Sodium phosphate dodecahydrate, suitable for use as excipient EMPROVE® exp NF, E 339	EXP													•	•	
104646	Sodium phosphinate monohydrate (sodium hypophosphite monohydrate), suitable for use as excipient EMPROVE® exp DAC	EXP										•					
106600	Sodium salicylate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
106602	Sodium salicylate powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
106643	Sodium sulfate anhydrous, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, E 514	EXP	•	•						•						•	
106642	Sodium sulfate decahydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
106652	Sodium sulfite, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, E 221	EXP	•							•					•	•	
106303	di-Sodium tetraborate decahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF	EXP	•		•					•					•		
106514	Sodium thiosulfate pentahydrate cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
106522	Sodium-(S)-lactate-solution about 50%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
100662	Sorbic acid, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, FCC, E 200	EXP	•							•				•	•	•	

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration															
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS	
102975	Sorbitol FP liquid (sorbitol syrup, noncrystallizing), suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, E 420	EXP	•							•						•	•	
102994	Sorbitol liquid (sorbitol syrup, crystallizing), suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, E 420	EXP	•	•						•							•	
100681	Succinic acid cryst., suitable for use as excipient EMPROVE® exp NF, JPE	EXP															•	
100895	Sucralose granular, suitable for use as excipient EMPROVE® exp Ph Eur, NF	EXP	•														•	
100894	Sucralose powder, suitable for use as excipient EMPROVE® exp Ph Eur, NF	EXP	•														•	
107654	Sucrose (saccharose) for density gradient ultracentrifugation, suitable for biopharmaceutical production EMPROVE® bio Ph Eur, BP, NF, JP	BIO	•		•					•							•	
100892	Sucrose low in endotoxins, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF	EXP	•		•					•							•	
107653	Sucrose, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF	EXP	•		•					•							•	
100713	Sulfuric acid 95-98%, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF, Ph Franç	EXP	•							•			•				•	
100773	Tannic acid powder, suitable for use as excipient EMPROVE® exp Ph Eur, JP, USP	EXP	•	•	•													
100802	L(+)-Tartaric acid cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, E 334	EXP	•		•					•							•	•
100803	L(+)-Tartaric acid powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, NF, E 334	EXP	•		•												•	•
500667	Thiamine phosphoric acid ester chloride dihydrate, suitable for use as an active pharmaceutical ingredient EMPROVE® api	API																
108167	Thymol cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•							•	

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
100805	Titanium(IV) oxide, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JP, E 171	EXP	•	•	•					•						•	
137004	Titriplex® III (Ethylenedinitrotetraacetic acid disodium salt dihydrate), suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, JP, USP, ACS	BIO	•	•	•					•							•
108421	Titriplex® III (ethylenedinitrilotetraacetic acid disodium salt dihydrate), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP	EXP	•	•	•					•							
113110	Titriplex® VS (Diethylenetriaminepentaacetic acid), suitable for use as an active pharmaceutical ingredient EMPROVE® api USP	API		•													
103000	Triacetin, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
100002	Tri-n-butyl phosphate, suitable for biopharmaceutical production EMPROVE® bio Ph Eur	BIO	•														
100810	Trichloroacetic acid cryst., suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
137022	Triethanolamine (Trolamine), suitable for biopharmaceutical production EMPROVE® bio Ph Eur, JPE, NF	BIO	•					•								•	
108372	Triethanolamine (Trolamine), suitable for use as excipient EMPROVE® exp Ph Eur	EXP	•														
108307	Tris(hydroxymethyl)aminomethane (Trometamol) high purity, suitable for biopharmaceutical production EMPROVE® bio Ph Eur, USP, BP	BIO	•	•						•							
108386	Tris(hydroxymethyl)aminomethane (Trometamol), suitable for use as excipient EMPROVE® exp Ph Eur, BP, JPC, USP	EXP	•	•		•				•							
108219	Tris(hydroxymethyl)aminomethane hydrochloride, suitable for biopharmaceutical production EMPROVE® bio	BIO															
108643	Triton® X-100, suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, NF	BIO	•													•	

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
108396	L-Tryptophan, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
817072	Tween® 20 (Polysorbate), suitable for use as excipient EMPROVE® exp Ph Eur, JPE, NF	EXP	•														•
817076	Tween® 60 (Polysorbate), suitable for use as excipient EMPROVE® exp Ph Eur, JPE, NF	EXP	•														•
817061	Tween® 80 (Polysorbate), suitable for use as excipient EMPROVE® exp Ph Eur, JP, NF	EXP	•		•												•
108378	L-Tyrosine, suitable for use as excipient EMPROVE® exp Ph Eur, USP	EXP	•	•													
108484	Urea beads, suitable for use as excipient EMPROVE® exp USP	EXP		•													
108432	Urea cryst., suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, USP	API	•	•						•							
108486	Urea cryst., suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, JP	EXP	•	•	•					•							
108510	Vanillin, suitable for use as excipient EMPROVE® exp Ph Eur, BP, NF	EXP	•							•							•
500780	Vitamin A + D3 water-miscible 250.000 IU A, 125.000 IU D3 (for veterinary medicine – oral), suitable for use as excipient EMPROVE® exp	EXP															
500849	Vitamin A water-miscible 1 ml = 200,000 I.U. for oral use, suitable for use as excipient EMPROVE® exp BP, Ph Eur	EXP	•							•							
500936	Vitamin D3 (cholecalciferol) cryst. (1 g = 40 Mio.I.U.), suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							
500878	Vitamin E dry powder, sprayed (50 g all-rac- α -tocopheryl acetate in 100 g substance), suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•							•							
500858	Vitamin E dry powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•						•							

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
500859	Vitamin E dry powder, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
500854	Vitamin E ready-to-press granules (33 g all-rac- α -tocopheryl acetate in 100 g substance), suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•						•								
500862	Vitamin E water-miscible 1 ml = 500 mg DL- α -tocopherol acetate for oral use, suitable for use as excipient EMPROVE® exp USP	EXP		•													
501890	Vitamin K1 (phytomenadione), suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP, FCC	EXP	•	•					•					•			
111544	Wax white in pastilles, suitable for use as excipient EMPROVE® exp Ph Eur, BP	EXP	•						•								
108815	Zinc chloride, suitable for use as an active pharmaceutical ingredient EMPROVE® api Ph Eur, BP, USP	API	•	•					•								
108846	Zinc oxide, suitable for use as excipient EMPROVE® exp Ph Eur, BP, USP	EXP	•	•					•								
108881	Zinc sulfate heptahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, FCC	EXP	•	•	•				•					•			
108882	Zinc sulfate heptahydrate, suitable for use as excipient EMPROVE® exp Ph Eur, BP, JP, USP, FCC	EXP	•	•	•				•					•			

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
100010	Acetanilide cryst. extra pure Ph Franç																
480745	Acetic acid 30% extra pure Ph Helv																
101615	Agar extra pure, fine powder Ph Eur, BP		•							•							
101102	Aluminium sulfate-18-hydrate extra pure Ph Eur, BP		•							•							
100924	Ammonium chloride extra pure Ph Eur, BP, USP		•	•						•							
103762	Ammonium iron(III) citrate about 18% Fe DAC											•					
103761	Ammonium iron(III) citrate approx. 28% Fe DAC											•					
100129	L-Aspartic acid extra pure Ph Eur, BP, USP		•	•						•							
101806	Benzyl benzoate Ph Eur, BP, USP		•	•						•							
817023	Butylhydroxyanisole Ph Eur, NF, E 320		•												•	•	
817074	Butylhydroxytoluene Ph Eur, JPE, NF, E 321		•					•							•	•	
102052	Calcium acetate hydrate extra pure DAC, FCC											•		•			
172570	Calcium chloride dihydrate extra pure, for table water FCC, E 509													•		•	
100193	Caprylic acid (Octanoic acid), suitable for biopharmaceutical production Ph Eur		•														
102555	Charcoal activated Ph Eur		•														
102492	Chlorophyllin water-soluble (Na-Cu-Chlorophyllin) (C.I. 75815) minimum 98% E 141 (ii)																•
103672	Cholesterol from wool fat extra pure, powdered Ph Eur, BP, NF, JP		•		•					•					•		
102836	L-Cystine, suitable for biopharmaceutical production FCC													•			
817067	Dibutyl sebacate NF														•		
817033	Diethyltoluamide USP			•													
101986	Ethanol absolute, suitable for preparative chromatography Ph Eur, BP, USP		•	•						•							
100886	Ethyl 4-hydroxybenzoate sodium salt Ph Eur, E 215		•														•

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
100944	Ethylenedinitrilotetraacetic acid extra pure Ph Eur, NF		•												•		
105321	D(-)Fructose extra pure Ph Eur, BP, USP, FCC		•	•						•					•		
817073	Fumaric acid NF														•		
137048	D(+)-Glucose anhydrous, suitable for the biopharmaceutical production Ph Eur, BP, USP		•	•						•							•
107753	Glycerol trinitrate solution 1%																
104212	Guaiacol extra pure Ph Franç X																
103962	Iron(II) fumarate extra pure (ca. 33% Fe) Ph Eur, BP, USP, FCC		•	•						•					•		
103868	Iron(II) gluconate dihydrate Ph Eur, BP, USP, E 579		•	•						•						•	
103967	Iron(II) sulfate hydrate (about 87% FeSO ₄) extra pure Ph Eur, BP, USP		•	•						•							
817066	Iron(II) sulfate hydrate (about 87% FeSO ₄) extra pure Ph Eur, BP, USP		•	•						•							
105671	Lithium carbonate extra pure Ph Eur, BP, USP		•	•						•							
172571	Magnesium chloride hexahydrate extra pure, for table water FCC, E 511													•		•	
102314	Magnesium gluconate USP			•													
105829	Magnesium hydroxide carbonate heavy extra pure Ph Eur, BP, USP, E 504		•	•						•						•	
105828	Magnesium hydroxide carbonate light extra pure Ph Eur, BP		•							•							
105870	Magnesium hydroxide extra pure Ph Eur, BP, USP		•	•						•							
105862	Magnesium oxide light extra pure Ph Eur, BP, E 530		•							•						•	
172572	Magnesium sulfate heptahydrate extra pure, for tablewater FCC													•			
817058	Maleic acid Ph Eur, NF		•												•		
106508	Methanol, suitable for preparative chromatography Ph Eur, BP, NF		•							•					•		

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
817071	Methyl nicotinate Ph Eur		•														
500299	Nicotinamide Ph Eur, BP, USP, FCC		•	•						•				•			
500005	Nicotinic acid extra pure Ph Eur, BP, USP		•	•						•							
107174	Paraffin highly liquid Ph Eur, BP, NF, JP		•		•					•					•		
137038	Phenol red (phenolsulfonphthaleine), suitable for the biopharmaceutical production Ph Eur		•														
100564	ortho-Phosphoric acid 89% extra pure Ph Eur, BP		•							•							
137065	Poloxamer 188, suitable for biopharmaceutical production Ph Eur, NF		•												•		
104820	Potassium acetate extra pure Ph Eur, BP, E 261		•							•						•	
104900	Potassium bromide extra pure Ph Eur, BP, USP		•	•						•							
172573	Potassium chloride extra pure, for table water FCC, E 508													•		•	
172574	Potassium hydrogen carbonate for table water FCC, E 501													•		•	
105050	Potassium iodate extra pure FCC													•			
105061	Potassium nitrate extra pure Ph Eur, BP, USP, FCC, E 252		•	•						•				•		•	
137040	2-Propanol 70% (V/V) 0.1 µm-filtered, suitable for the biopharmaceutical production USP			•													
107590	Resorcinol extra pure Ph Eur, BP, USP		•	•						•							
500257	Riboflavin Ph Eur, BP, JP, USP, E 101 (i)		•	•	•					•						•	
500259	Riboflavine 5'-phosphate monosodium salt dihydrate Ph Eur, BP, JP, USP, E 101a		•	•	•					•						•	
817022	Saccharin Ph Eur, NF		•												•		
817042	Saccharin sodium dihydrate Ph Eur		•														
101510	Silver nitrate cryst. extra pure Ph Eur, BP, USP		•	•						•							
101536	Silver protein mild (19-23% Ag) BPC 1968																

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
106281	Sodium acetate anhydrous extra pure USP, FCC, E 262			•										•		•	
106265	Sodium acetate trihydrate extra pure Ph Eur, BP, JP, USP, FCC, E 262		•	•	•					•				•		•	
106360	Sodium bromide extra pure Ph Eur, BP, USP, JP		•	•	•					•							
172575	Sodium chloride for table water FCC													•			
817044	Sodium cyclamate Ph Eu		•														
817034	Sodium dodecyl sulfate Ph Eur		•														
817068	Sodium formaldehydesulfoxylate hydrate stabilized with sodium carbonate NF														•		
817054	Sodium gluconate USP, E 576			•												•	
172577	Sodium hydrogen carbonate for table water FCC, E 500													•		•	
106544	Sodium nitrite extra pure Ph Eur, USP		•	•													
106645	Sodium sulfate anhydrous extra pure fine powder Ph Eur, BP, USP		•	•						•							
107983	Sulfur for external use Ph Eur, BP		•							•							
108197	Tabletting aid K cellulose powder Ph Eur, BP, JP, NF, E 460 ii		•		•					•					•	•	
500923	Thiamine chloride hydrochloride (Vitamin B1-hydrochloride) Ph Eur, BP, USP, FCC		•	•						•				•			
817043	Thimerosal Ph Eur, BP, USP		•	•						•							
107813	Tin(II) chloride dihydrate extra pure Ph Eur, BP		•							•							
500976	DL-A-Tocopherol hydrogen succinate food grade USP			•													
101005	1,1,1,-Trichloro-2-methyl-2-propanol hemihydrate Ph Eur, BP, JP, NF		•		•					•					•		
817059	Triethyl citrate Ph Eur, JPE, NF		•					•							•		
105102	tri-Potassium phosphate trihydrate extra pure																
524950	Vitamin B12 (cyanocobalamin) Ph Eur, BP, USP		•	•						•							
501551	Vitamin D3 dry powder 1 g = 100,000 I.U. colecalciferol stabilized with DL-α-tocopherol Ph Eur, BP		•							•							

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
108692	D(+)-Xylose Ph Eur, BP		•						•								
108800	Zinc acetate dihydrate extra pure Ph Eur, USP		•	•													
817079	Zinc gluconate USP			•													

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
101071	Aluminium hydroxide acetate hydrate (basic aluminium acetate) pure																
105408	Ammonia Solution 19%																
101141	Ammonium chloride pure																
101124	Ammonium dihydrogen phosphate cryst. extra pure																
101216	Ammonium sulfate extra pure																
101681	Benzonase® ELISA kit II for the immunological detection of Benzonase®																
101654	Benzonase® purity grade II (>90%) for biotechnology																
101656	Benzonase® purity grade II (>90%) for biotechnology																
101675	Benzonase® Technical Grade 5 Mio. Units/vial																
110845	Dihydroxyacetone pure, not for cosmetic purposes																
100476	Dulbecco's Modified Eagle's Medium/Ham's Nutrient Mixture F12 (1:1) + Phenol red + L-Glutamine																
103992	Fluorescein sodium (C.I. 45350) extra pure																
114737	ForMaxx Calcium carbonate 70 (calcium carbonate-sorbitol)																
100575	GMEM Cell Culture Media																
108405	Gum tragacanth with low bacterial count fine powder																
103815	Iron extra pure reduced particle size about 10 µm																
103862	Iron(III) citrate hydrate (about 19% Fe)																
105904	Magnesium citrate extra pure																
104643	Magnesium phosphinate hexahydrate (Magnesium hypophosphite hexahydrate) extra pure																
480787	ortho-Phosphoric acid 0.5%																
100250	Phosphoric acid 75%, suitable for biopharmaceutical production																
480864	Potassium hydroxide solution 46-48%																

Ord. No.	Product	EMPROVE®	Pharmacopoeia/Food Declaration														
			Ph Eur	USP	JP	JPC	JPE	JSFA	BP	DAB	DAC	Ph Franç	Ph Helv	FCC	NF	E-No.	ACS
501260	Pyridoxol (pyridoxine) vitamin B6 base																
500064	Rutin water-soluble in flakes (rutin sulfate sodium salt)																
104164	Sodium glycerophosphate hydrate extra pure																
106513	Sodium thiosulfate pentahydrate pure																
101253	Starch soluble extra pure																
108035	Sulfanilamide extra pure																
480704	Sulfuric acid 10% extra pure																
108196	Tabletting aid D																
108369	Triethanolamine solution 50% in water																
500601	Vitamin B12-lactose trituration 0.1%																
500619	Vitamin B12-mannitol trituration 0.1%																
108808	Zinc hydroxide carbonate pure (zinc carbonate basic)																



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