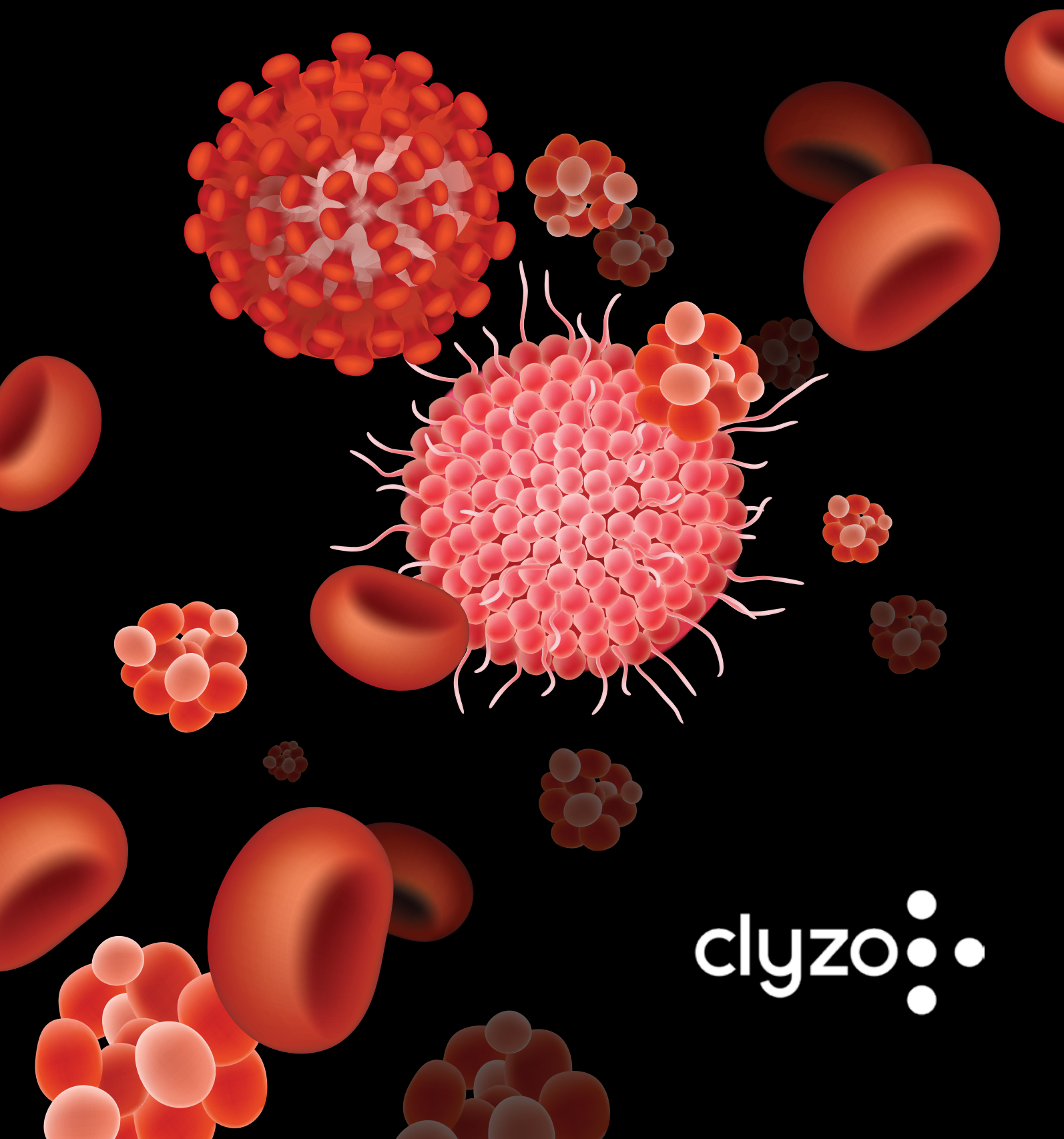


EXCIPIENTS

FOR PARENTERAL & BIOPHARMA
PRODUCTION



clyzo 

CATALOGUE **GUIDE**

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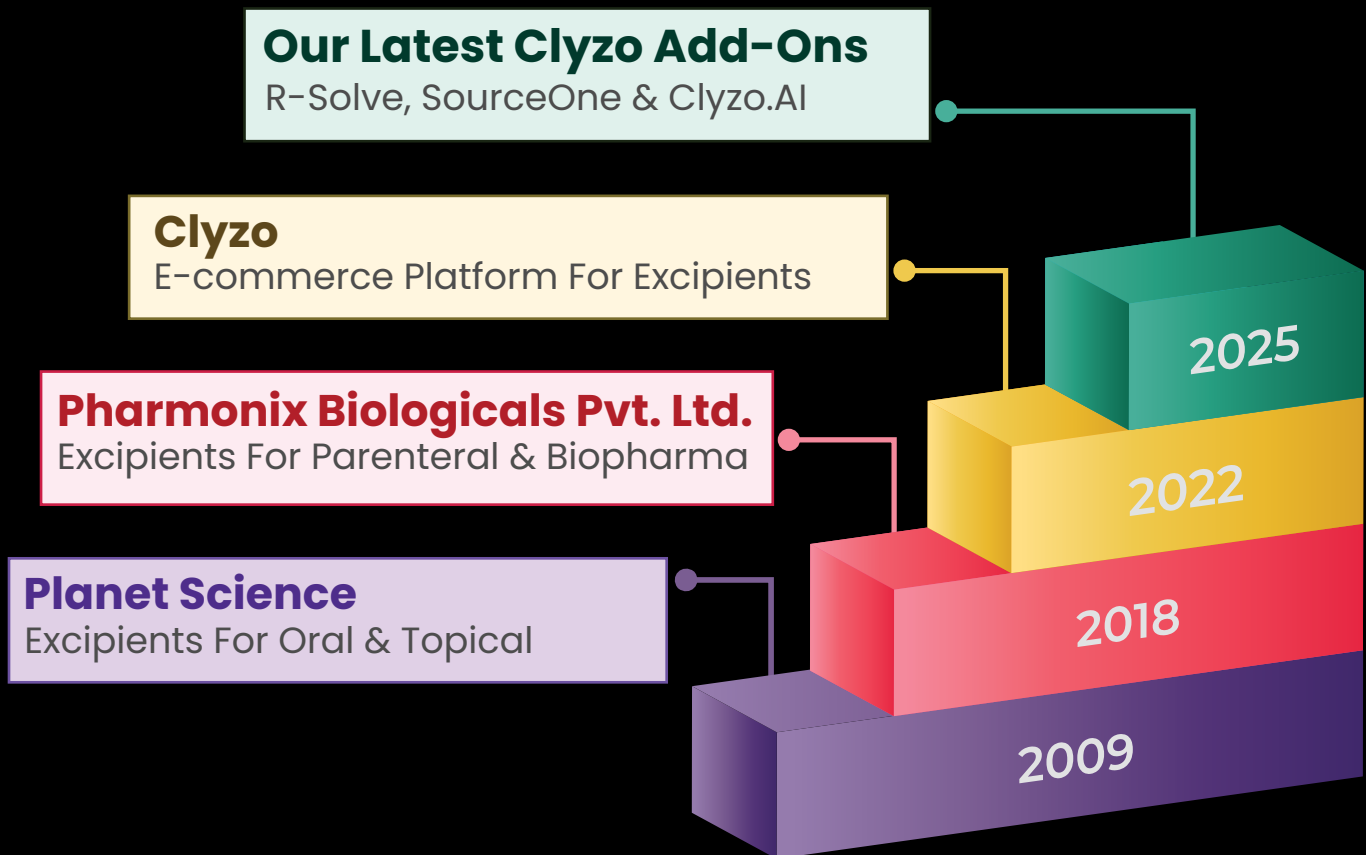
Quick Reference

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Clyzo is your trusted source for **GMP-compliant** pharmaceutical excipients, offering a comprehensive range of high-quality ingredients for every formulation needs.

Our expert team ensures seamless technical, quality & regulatory support—from enquiry to full-scale GMP production.

All products comply with **USP-NF, EP, BP, ChP & JP** pharmacopeia standards, with options for customized monograph requirements tailored to your specific formulation & application needs.



WORLD-CLASS Partners Proven Quality

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We deliver world-class solutions, backed by technical expertise & regulatory support, ensuring seamless technology transfer, consistent supply & successful market integration.

750+ EXCIPIENTS IN
PORTFOLIO

20+ GLOBAL
PARTNERS

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& many more...



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Tech Driven Pharma Ingredients



R- Solve

Regulatory Compliance Platform



SourceOne

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ADDRESSING YOUR NEEDS IN PARENTERAL APPLICATIONS

Struggling to maintain
stability, sterility or bioavailability
in your injectable formulations



Your Challenge. Our Solution.

OUR PARENTERAL EXCIPIENTS ARE
DESIGNED TO OVERCOME THESE CHALLENGES -

- Improve formulation performance by enhancing solubility & API stability
- Meet global regulatory standards - compliant with USP-NF, Ph. Eur., JP & ChP
- Low Level of endotoxins with bioburden limits for sensitive applications

SECTION 1

PARENTERAL EXCIPIENTS

Antioxidants & Stabilizers

CODE	PRODUCT NAME	CAS	PACK SIZE
626001	Adipic Acid USP, Ph.Eur., JP (tested for BET/MLT)	124-04-9	1 kg, 5 kg, 25 kg
140032	Ascorbic Acid USP, Ph.Eur. (tested for BET/MLT)	50-81-7	5 kg, 25 kg
144233	Butylhydroxyanisole (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	25013-16-5	1 kg, 5 kg
142825	Butylhydroxytoluene (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	128-37-0	1 kg
10078	Choline Chloride FCC, BET, TAMC, TYMC	67-48-1	5 kg, 25 kg
341001	Dibasic Calcium Phosphate Dihydrate USP, Ph.Eur., BET, TAMC, TYMC	7789-77-7	5 kg, 25 kg
Z4C393	Diethylenetriaminepentaacetic Acid Calcium and Trisodium Salt x-hydrate (Ph. Eur.) low endotoxin IPEC grade	12111-24-9	5 kg
141669	EDTA Disodium Salt 2-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	6381-92-6	1 kg, 5 kg, 25 kg
626083	Guanidine Hydrochloride USP-NF, Ph.Eur., low endotoxin PharmProve®	50-01-1	20 kg
SUN-015	Monothioglycerol NF (tested for BET/MLT)	96-27-5	1 kg, 25 kg
17517	DL-Panthenol USP, Ph.Eur., BET, TAMC, TYMC	16485-10-2	5 kg, 25 kg
103070	Sodium Formaldehyde Sulfoxylate Dihydrate USP (Injection Grade)	6035-47-8	1 kg
17422	Sodium Pyruvate USP-NF, BET, TAMC, TYMC	113-24-6	5 kg, 25 kg
140047	Sodium Sulfite Anhydrous Ph.Eur. (tested for BET/MLT)	7757-83-7	1 kg, 5 kg
10329	Sodium Thiosulphate Pentahydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	10102-17-7	5 kg, 25 kg
30225	Sucrose Octasulfate Potassium Salt, Micronized	73264-44-5	100 gm, 1 kg, 3 kg

Buffers

CODE	PRODUCT NAME	CAS	PACK SIZE
141512	di-Potassium Hydrogen Phosphate anhydrous (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	7758-11-4	1 kg, 5 kg, 25 kg
141509	Potassium di-Hydrogen Phosphate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	7778-77-0	500 gm, 5 kg, 25 kg
141679	di-Sodium Hydrogen Phosphate anhydrous (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	7558-79-4	1 kg, 5 kg, 25 kg
Z42507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, Ph. Eur., BP) low in endotoxins pure, pharma grade	10028-24-7	1 kg
Z41678	di-Sodium Hydrogen Phosphate 12-hydrate (USP, Ph. Eur., BP) low endotoxin pure, pharma grade	10039-32-4	25 kg
141644	di-Sodium tetra-Borate 10-hydrate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	1303-96-4	1 kg, 25 kg
15676	Sodium Acetate Trihydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	6131-90-4	5 kg, 25 kg
Z92018	Sodium di-Hydrogen Phosphate anhydrous (USP) low endotoxin, pharma grade	7558-80-7	25 kg
141677	Sodium di-Hydrogen Phosphate 2-hydrate (USP, Ph. Eur., BP) for analysis, pharma grade (Endotoxin Tested)	13472-35-0	1 kg, 25 kg

PEG Series & Derivatives

CODE	PRODUCT NAME	CAS	PACK SIZE
SUN-021	Polyethylene Glycol 200 USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	1 kg, 25 kg
SUN-023	Polyethylene Glycol 300 USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	1 kg, 25 kg
142436	Polyethylene Glycol 400 (Ph.Eur., BP) Pure, Pharma Grade (tested for BET/MLT)	25322-68-3	1 ltr, 5 ltr
540059	Polyethylene Glycol 600 NF (tested for BET/MLT)	25322-68-3	20 kg, 225 kg
SUN-018	Polyethylene Glycol 1000 USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	1 kg, 25 kg
SUN-019	Polyethylene Glycol 1450 USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	1 kg, 25 kg
SUN-020	Polyethylene Glycol 1500 USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	1 kg, 25 kg
540006	Polyethylene Glycol 3350 Powder USP-NF (tested for BET/MLT)	25322-68-3	5 kg, 25 kg
140041	Polyethylene Glycol 4000 Powder USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	4 kg, 15 kg

PARENTERAL EXCIPIENTS

CODE	PRODUCT NAME	CAS	PACK SIZE
SUN-024	Polyethylene Glycol 6000 USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	1 kg, 25 kg
SUN-025	Polyethylene Glycol 8000 USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	1 kg, 25 kg
SUN-022	Polyethylene Glycol 20000 USP, Ph.Eur. (tested for BET/MLT)	25322-68-3	1 kg, 25 kg
540085	PEG 60 Hydrogenated Castor Oil (MLT Tested)	61788-85-0	500 ml, 20 ltr

pH Adjuster

CODE	PRODUCT NAME	CAS	PACK SIZE
240105	Acetic Acid Glacial USP, Ph.Eur. (tested for BET)	64-19-7	5 kg, 25 kg
140034	Boric Acid USP, Ph.Eur. (tested for BET/MLT)	10043-35-3	3 kg
140035	Citric Acid Anhydrous USP, Ph.Eur. (tested for BET/MLT)	77-92-9	5 kg, 25 kg
16161	Citric Acid Monohydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	5949-29-1	5 kg, 25 kg
240107	Hydrochloric Acid 37% USP-NF (tested for BET)	7647-01-0	2.5 kg, 25 kg
141034	L(+)-Lactic Acid (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	79-33-4	1 ltr, 5 ltr
141515	Potassium Hydroxide 85% pellets (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	1310-58-3	1 kg, 5 kg, 25 kg
140056	Sodium Citrate Anhydrous USP (tested for BET/MLT)	68-04-2	5 kg, 25 kg
140046	Sodium Citrate Dihydrate USP, Ph.Eur. (tested for BET/MLT)	6132-04-3	5 kg, 25 kg
141638	Sodium Hydrogen Carbonate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	144-55-8	1 kg, 5 kg, 25 kg
S222-INJ	Sodium Hydroxide Pellets, USP, Ph. Eur., BP (BET/MLT Tested)	1310-73-2	500 gm, 5 kg, 25 kg
17424	Succinic Acid USP-NF, BET, TAMC, TYMC	110-15-6	5 kg, 25 kg
Z41940	Tris (USP, BP, Ph. Eur.) low endotoxin pure, pharma grade (base)	77-86-1	1 kg, 5 kg, 25 kg
633654	Tris Hydrochloride low endotoxin, pharma grade	1185-53-1	10 kg

Plasma Volume Expander

CODE	PRODUCT NAME	CAS	PACK SIZE
SUN-010	Dextran 1 (Ph.Eur.)	9004-54-0	1 kg, 25 kg
SUN-011	Dextran 5 (Ph.Eur.)	9004-54-0	1 kg, 25 kg
Flexbumin 20%	Human Serum Albumin Solution 20% (IP, Ph.Eur.)	70024-90-7	100 ml
Flexbumin 25%	Human Serum Albumin Solution 25% (IP, Ph.Eur.)	70024-90-7	100 ml

Preservatives

CODE	PRODUCT NAME	CAS	PACK SIZE
141081	Benzyl Alcohol (USP-NF, Ph.Eur., BP) Pure, Pharma Grade (Endotoxin Tested)	100-51-6	1 ltr, 5 ltr, 25 ltr, 200 ltr
ATHEN-001	Chlorobutanol Anhydrous USP-NF, Ph.Eur. (Injectable Grade)	57-15-8	1 kg, 5 kg, 25 kg
ATHEN-002	Chlorobutanol Hemihydrate, Sifted USP-NF, Ph.Eur. (Injectable Grade)	6001-64-5	1 kg, 5 kg, 25 kg
CIT-C131	Metacresol USP, Ph.Eur. (Injectable Grade)	108-39-4	100 gm, 1 kg
110060	Methyl Paraben USP-NF, Ph.Eur. (tested for BET/MLT)	99-76-3	500 gm, 5 kg
MGPC	Myristyl-Gamma-Picolinium Chloride (MGPC) (Injectable Grade)	2748-88-1	50 gm
141531	Potassium Sorbate (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	24634-61-5	500 gm, 5 kg, 25 kg

PARENTERAL EXCIPIENTS

CODE	PRODUCT NAME	CAS	PACK SIZE
101725	Propyl Paraben USP-NF, Ph.Eur. (tested for BET/MLT)	94-13-3	500 gm, 5 kg
141637	Sodium Benzoate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	532-32-1	1 kg, 5 kg

Solubilizers, Surfactants & Emulsifiers

CODE	PRODUCT NAME	CAS	PACK SIZE
ACD	Alpha Cyclodextrin (Pharma Grade)	10016-20-3	100 gm, 1 kg, 20 kg
SBECD	Betadex SulfoButyl Ether Sodium (USP-NF, DMF)	182410-00-0	10 kg
A0819	n-Dodecyl- β -D Maltoside BioChemica	69227-93-6	5 gm
GCD	Gamma-Cyclodextrin (USP Complying)	17465-86-0	100 gm, 1 kg, 20 kg
HPBCD	Hydroxypropyl Betadex (USP-NF, DMF)	128446-35-5	100 gm, 1 kg, 20 kg
PXM407	Poloxamer-407 Micronized USP-NF, Ph.Eur. (tested for BET/MLT)	9003-11-6	5 kg, 50 kg
240108	Polysorbate 80 USP-NF, Ph.Eur. (tested for BET/MLT)	9005-65-6	5 kg, 25 kg
142312	Tween 20 (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	9005-64-5	1 ltr, 5 ltr
SHAAN-002	Vitamin E-TPGS (USP) (A-Tocopherol Polyethylene Glycol Succinate)	9002-96-4	1 kg

Solvents & Vehicles

CODE	PRODUCT NAME	CAS	PACK SIZE
11371	Ethanol 96% USP, Ph.Eur., BP, JP, GMP (Injectable Grade)	64-17-5	500 ml, 20 ltr, 215 ltr
11372	Ethanol 99% USP, Ph.Eur., BP, JP, GMP (Injectable Grade)	64-17-5	500 ml, 20 ltr, 215 ltr
X11200	Ethyl Oleate, USP-NF, Ph. Eur. (tested for BET/MLT)	111-62-6	500gm, 5 kg, 180 kg
626055	Glycerol 99% synthetic USP, Ph.Eur., PharmProve®	56-81-5	2.5 kg
240106	Glycerol 99% USP, Ph.Eur. (tested for BET/MLT)	56-81-5	6 kg, 25 kg
KAT-001	Glycofurool (Suitable for Injection)	31692-85-0	5 kg, 25 kg
HL-MCT-001	MCT OIL 60/40 Based on Coconut Oil Ph.Eur., BP (tested for BET/MLT)	73398-61-5	25 kg
HL-OLI	Olive Oil, Refined Ph.Eur., BP (tested for BET/MLT)	8001-25-0	25 kg, 190 kg
340049	1,2 Propylene Glycol USP, Ph.Eur. (tested for BET/MLT)	57-55-6	25 kg
141074	Purified Water (Ph. Eur., BP) pure, pharma grade	7732-18-5	10 ltr
HL-SES	Sesame Oil, Refined USP-NF, Ph.Eur. (tested for BET/MLT)	8008-74-0	25 kg, 190 kg
HL-SOY	Soyabean Oil, Refined Ph.Eur., BP (tested for BET/MLT)	8001-22-7	25 kg

Tonicity Agent & Bulking Agent

CODE	PRODUCT NAME	CAS	PACK SIZE
141097	Aluminium Chloride 6-Hydrate (USP, Ph.Eur., BP) Pure, Pharma Grade (Endotoxin Tested)	7784-13-6	500 gm, 25 kg
16785	Calcium Chloride Dihydrate USP, Ph.Eur., BP, BET, TAMC, TYMC	10035-04-8	5 kg, 25 kg
16794	Dextrose Anhydrous USP, Ph.Eur., BP, JP, BET, TAMC, TYMC	50-99-7	5 kg, 25 kg
142728	D(-)-Fructose (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	57-48-7	500 gm, 5 kg, 25 kg
616015	D-(+)-Galactose USP-NF, Ph.Eur., low endotoxin, PharmProve®	59-23-4	500 gm, 3 kg
143140	D(+)-Glucose 1-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	77938-63-7	1 kg, 25 kg

PARENTERAL EXCIPIENTS

CODE	PRODUCT NAME	CAS	PACK SIZE
10226	Magnesium Chloride Hexahydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	7791-18-6	5 kg, 25 kg
141404	Magnesium Sulfate 7-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	10034-99-8	1 kg, 5 kg, 25 kg
616021	Maltose Monohydrate USP-NF, low endotoxin, PharmProve®	6363-53-7	25 kg
A4831	D(-)-Mannitol low endotoxin, (USP, Ph. Eur., BP, JP) pure, pharma grade	69-65-8	1 kg, 5 kg
30160	Potassium Chloride USP, Ph.Eur., BP, BET, TAMC, TYMC	7447-40-7	5 kg, 25 kg
631659	Sodium Chloride (USP, Ph. Eur., BP, JP) low endotoxin, IPEC grade	7647-14-5	5 kg, 25 kg
140063	Sorbitol USP, Ph.Eur. (tested for BET/MLT)	50-70-4	25 kg
631621	D(+)-Sucrose (USP-NF, Ph. Eur., BP) low endotoxin, IPEC grade	57-50-1	25 kg

Viscosity Enhancers

CODE	PRODUCT NAME	CAS	PACK SIZE
HGB-001	Chondroitin Sulfate Sodium-Bovine (Terrestrial) (Complying BP)	9007-28-7	200 gm, 1kg
N-K	Sodium Chondroitin Sulfate, JP, N-K (Injectable Grade) Shark Origin	9082-07-9	100 gm, 1 kg
ND-K	Sodium Chondroitin Sulfate, JP, ND-K (Injectable Grade) Shark Origin	9082-07-9	100 gm, 1 kg
SHAN-NH-005	Sodium Hyaluronate, Injection Grade, Ph. Eur. (Registered with CDSCO)	9067-32-7	100 gm, 1 kg



Sodium Hyaluronate

Pharmaceutical Grade

STERILEHYA

Sterile Sodium Hyaluronate

(THE FIRST PRODUCER IN CHINA)

PHARMAHYA-INJ

Sodium Hyaluronate Injection Grade

PHARMAHYA-OPH

Sodium Hyaluronate Eye Drop Grade

PHARMAHYA-EXC

Sodium Hyaluronate Excipient Grade

PHARMAHYA-PHA

Sodium Hyaluronate Pharmaceutical Grade



1st Producer of sterile injectable grade hyaluronic acid in China.



20 Years of expertise on HA production and innovation



GMP workshops dedicated to production of HA.



TOPSCIENCE 众山

Application

Medicinal injections,
Joint surgical filling,
Eye drops etc.



CEP



GMP



FDA



KDMF



FORM 41



HALAL



KOSHER



ECOCART & COSMOS



ISO 9001



ISO 14001

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WITH OUR **EXCIPIENTS FOR OPHTHALMIC FORMULATIONS**

Our ophthalmic excipients are designed to optimize stability & purity, addressing critical formulation parameters to help formulators create safe, effective & reliable eye care solutions.

From viscosity enhancers to buffers & antioxidants, our trusted portfolio delivers consistency, precision & performance.

OPHTHALMIC EXCIPIENTS

Antioxidants & Stabilizers

CODE	PRODUCT NAME	CAS	PACK SIZE
140032	Ascorbic Acid USP, Ph.Eur. (tested for BET/MLT)	50-81-7	5 kg, 25 kg
144233	Butylhydroxyanisole (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	25013-16-5	1 kg, 5 kg
142825	Butylhydroxytoluene (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	128-37-0	1 kg
Z4C393	Diethylenetriaminepentaacetic Acid Calcium & Trisodium Salt x-hydrate (Ph. Eur.) low endotoxin IPEC grade	12111-24-9	5 kg
141669	EDTA Disodium Salt 2-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	6381-92-6	1 kg, 5 kg, 25 kg
SUN-015	Monothioglycerol NF (tested for BET/MLT)	96-27-5	1 kg, 25 kg
17517	DL-Panthenol USP, Ph.Eur., BET, TAMC, TYMC	16485-10-2	5 kg, 25 kg
142436	Polyethylene Glycol 400 (Ph.Eur., BP) Pure, Pharma Grade (tested for BET/MLT)	25322-68-3	1 ltr, 5 ltr
140047	Sodium Sulfite Anhydrous Ph.Eur. (tested for BET/MLT)	7757-83-7	1 kg, 5 kg
10329	Sodium Thiosulphate Pentahydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	10102-17-7	5 kg, 25 kg

Buffers

CODE	PRODUCT NAME	CAS	PACK SIZE
140034	Boric Acid USP, Ph.Eur. (tested for BET/MLT)	10043-35-3	3 kg
140035	Citric Acid Anhydrous USP, Ph.Eur. (tested for BET/MLT)	77-92-9	5 kg, 25 kg
16161	Citric Acid Monohydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	5949-29-1	5 kg, 25 kg
15676	Sodium Acetate Trihydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	6131-90-4	5 kg, 25 kg
140056	Sodium Citrate Anhydrous USP (tested for BET/MLT)	68-04-2	5 kg, 25 kg
140046	Sodium Citrate Dihydrate USP, Ph.Eur. (tested for BET/MLT)	6132-04-3	5 kg, 25 kg
141638	Sodium Hydrogen Carbonate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	144-55-8	1 kg, 5 kg, 25 kg
141644	di-Sodium tetra-Borate 10-hydrate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	1303-96-4	1 kg, 25 kg
Z41940	Tris (USP, BP, Ph. Eur.) low endotoxin pure, pharma grade (base)	77-86-1	1 kg, 5 kg, 25 kg
633654	Tris Hydrochloride low endotoxin, pharma grade	1185-53-1	10 kg

pH Adjuster

CODE	PRODUCT NAME	CAS	PACK SIZE
240107	Hydrochloric Acid 37% USP-NF (tested for BET)	7647-01-0	2.5 kg, 25 kg
141509	Potassium di-Hydrogen Phosphate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	7778-77-0	500 gm, 1 kg, 5 kg, 25 kg
141512	di-Potassium Hydrogen Phosphate anhydrous (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	7758-11-4	1 kg, 5 kg, 25 kg
141515	Potassium Hydroxide 85% pellets (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	1310-58-3	1 kg, 5 kg, 25 kg
Z92018	Sodium di-Hydrogen Phosphate anhydrous (USP) low endotoxin, pharma grade	7558-80-7	25 kg
141677	Sodium di-Hydrogen Phosphate 2-hydrate (USP, Ph. Eur., BP) for analysis, pharma grade (Endotoxin Tested)	13472-35-0	1 kg, 25 kg
141679	di-Sodium Hydrogen Phosphate anhydrous (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	7558-79-4	1 kg, 5 kg, 25 kg
Z42507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, Ph. Eur., BP) low endotoxins pure, pharma grade	10028-24-7	1 kg
Z41678	di-Sodium Hydrogen Phosphate 12-hydrate (USP, Ph. Eur., BP) low endotoxin pure, pharma grade	10039-32-4	25 kg
S222-INJ	Sodium Hydroxide Pellets, USP, Ph. Eur., BP (BET/MLT Tested)	1310-73-2	500 gm, 5 kg, 25 kg

OPHTHALMIC EXCIPIENTS

Preservatives

CODE	PRODUCT NAME	CAS	PACK SIZE
100168-INJ	AMP 95 (2-Amino-2-Methyl-1 Propanol Solution) (Tested for BET/MLT)	124-68-5	100 ml, 1 ltr, 20 ltr
141081	Benzyl Alcohol (USP-NF, Ph.Eur., BP) Pure, Pharma Grade (Endotoxin Tested)	100-51-6	1 ltr, 5 ltr, 25 ltr, 200 ltr
ATHEN-001	Chlorobutanol Anhydrous USP-NF, Ph.Eur. (Injectable Grade)	57-15-8	1 kg, 5 kg, 25 kg
ATHEN-002	Chlorobutanol Hemihydrate, Sifted USP-NF, Ph.Eur. (Injectable Grade)	6001-64-5	1 kg, 5 kg, 25 kg
SUN-005	Hydroxypropyl Gaur Gum (Ophthalmic Grade)	39421-75-5	1 kg, 5 kg
110060	Methyl Paraben USP-NF, Ph.Eur. (tested for BET/MLT)	99-76-3	500 gm, 5 kg
MGPC	Myristyl-Gamma-Picolinium Chloride (MGPC) (Injectable Grade)	2748-88-1	50 gm
PQ-1-L	Polyquaternium-1-Liquid, TAMC, TYMC	75345-27-6	25 gm
PQ-1-S	Polyquaternium-1-Solid, TAMC, TYMC	75345-27-6	25 gm
141531	Potassium Sorbate (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	24634-61-5	500 gm, 5 kg, 25 kg
101725	Propyl Paraben USP-NF, Ph.Eur. (tested for BET/MLT)	94-13-3	500 gm, 5 kg

Solubilizers, Surfactants & Emulsifiers

CODE	PRODUCT NAME	CAS	PACK SIZE
540085	PEG 60 Hydrogenated Castor Oil (MLT Tested)	61788-85-0	500 ml, 20 ltr
PXM407	Poloxamer-407 Micronized USP-NF, Ph.Eur. (tested for BET/MLT)	9003-11-6	5 kg, 50 kg
240108	Polysorbate 80 USP-NF, Ph.Eur. (tested for BET/MLT)	9005-65-6	5 kg, 25 kg
142312	Tween 20 (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	9005-64-5	1 ltr, 5 ltr
REX-014	Tyloxapol, USP (BET/MLT Tested)	25301-02-4	500 ml
SHAAN-002	Vitamin E-TPGS (USP) (A-Tocopherol Polyethylene Glycol Succinate)	9002-96-4	1 kg

Solvents & Vehicles

CODE	PRODUCT NAME	CAS	PACK SIZE
11371	Ethanol 96% USP, Ph.Eur., BP, JP, GMP (Injectable Grade)	64-17-5	500 ml, 20 ltr, 215 ltr
11372	Ethanol 99% USP, Ph.Eur., BP, JP, GMP (Injectable Grade)	64-17-5	500 ml, 20 ltr, 215 ltr
340049	1,2 Propylene Glycol USP, Ph.Eur. (tested for BET/MLT)	57-55-6	25 kg
141074	Purified Water (Ph. Eur., BP) pure, pharma grade	7732-18-5	10 ltr

Tonicity Agent & Bulking Agent


CODE	PRODUCT NAME	CAS	PACK SIZE
16785	Calcium Chloride Dihydrate USP, Ph.Eur., BP, BET, TAMC, TYMC	10035-04-8	5 kg, 25 kg
16794	Dextrose Anhydrous USP, Ph.Eur., BP, JP, BET, TAMC, TYMC	50-99-7	5 kg, 25 kg
142728	D(-)-Fructose (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	57-48-7	500 gm, 5 kg, 25 kg
616015	D-(+)-Galactose USP-NF, Ph.Eur., low endotoxin, PharmProve®	59-23-4	500 gm, 3 kg
143140	D(+)-Glucose 1-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	77938-63-7	1 kg, 25 kg
626055	Glycerol 99% synthetic USP, Ph.Eur., PharmProve®	56-81-5	2.5 kg
240106	Glycerol 99% USP, Ph.Eur. (tested for BET/MLT)	56-81-5	6 kg, 25 kg
10226	Magnesium Chloride Hexahydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	7791-18-6	5 kg, 25 kg
141404	Magnesium Sulfate 7-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	10034-99-8	1 kg, 5 kg, 25 kg

OPHTHALMIC EXCIPIENTS

CODE	PRODUCT NAME	CAS	PACK SIZE
616021	Maltose Monohydrate USP-NF, low endotoxin, PharmProve®	6363-53-7	25 kg
A4831	D(-)-Mannitol low endotoxin (USP, Ph. Eur., BP, JP) pure, pharma grade	69-65-8	1 kg, 5 kg
30160	Potassium Chloride USP, Ph.Eur., BP, BET, TAMC, TYMC	7447-40-7	5 kg, 25 kg
631659	Sodium Chloride (USP, Ph. Eur., BP, JP) low endotoxin, IPEC grade	7647-14-5	5 kg, 25 kg
17422	Sodium Pyruvate USP-NF, BET, TAMC, TYMC	113-24-6	5 kg, 25 kg
140063	Sorbitol USP, Ph.Eur. (tested for BET/MLT)	50-70-4	25 kg
631621	D(+)-Sucrose (USP-NF, Ph. Eur., BP) low endotoxin, IPEC grade	57-50-1	25 kg

Viscosity Enhancers

CODE	PRODUCT NAME	CAS	PACK SIZE
SUN-010	Dextran 1 (Ph.Eur.)	9004-54-0	1 kg, 25 kg
SUN-011	Dextran 5 (Ph.Eur.)	9004-54-0	1 kg, 25 kg
ALP-001	Polyvinyl Alcohol USP-NF (tested for BET/MLT)	9002-89-5	1 kg, 5 kg
HGB-001	Sodium Chondroitin Sulfate-Bovine (Terrestrial) (Complying BP)	9007-28-7	200 gm, 1kg
N-K	Sodium Chondroitin Sulfate, JP, N-K (Injectable Grade) Shark Origin	9082-07-9	100 gm, 1 kg
ND-K	Sodium Chondroitin Sulfate, JP, ND-K (Injectable Grade) Shark Origin	9082-07-9	100 gm, 1 kg
SHAN-NH-004	Sodium Hyaluronate, Eye Drop Grade, Ph. Eur. (Registered with CDSCO)	9067-32-7	100 gm, 1 kg
SHAN-NH-005	Sodium Hyaluronate, Injection Grade, Ph. Eur. (Registered with CDSCO)	9067-32-7	100 gm, 1 kg



See **Innovation** in Every Breath

Excipients for **Nasal & Inhalation** Formulations

Our specialized excipients support all nasal & inhalation formulations — Enhancing Aerosol Stability, Deposition & Compatibility

Backed by formulation expertise & global quality, we enable reliable success in respiratory drug development

NASAL & INHALATION EXCIPIENTS

Preservatives & Antimicrobials

CODE	PRODUCT NAME	CAS	PACK SIZE
141081	Benzyl Alcohol (USP-NF, Ph.Eur., BP) Pure, Pharma Grade (Endotoxin Tested)	100-51-6	1 ltr, 5 ltr, 25 ltr, 200 ltr
110060	Methyl Paraben USP-NF, Ph.Eur. (tested for BET/MLT)	99-76-3	500 gm, 5 kg
141531	Potassium Sorbate (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	24634-61-5	500 gm, 5 kg, 25 kg
101725	Propyl Paraben USP-NF, Ph.Eur. (tested for BET/MLT)	94-13-3	500 gm, 5 kg
141637	Sodium Benzoate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	532-32-1	1 kg, 5 kg

Solvents & Vehicles

CODE	PRODUCT NAME	CAS	PACK SIZE
11371	Ethanol 96% USP, Ph.Eur., BP, JP, GMP (Injectable Grade)	64-17-5	500 ml, 20 ltr, 215 ltr
11372	Ethanol 99% USP, Ph.Eur., BP, JP, GMP (Injectable Grade)	64-17-5	500 ml, 20 ltr, 215 ltr
240106	Glycerol 99% USP, Ph.Eur. (tested for BET/MLT)	56-81-5	6 kg, 25 kg
KAT-001	Glycofurool (Suitable for Injection)	31692-85-0	5 kg, 25 kg
SUN-012	n-Perfluorooctyl Bromide (Inhalation grade)	423-55-2	1 kg, 5 kg
340049	1,2 Propylene Glycol USP, Ph.Eur. (tested for BET/MLT)	57-55-6	25 kg
141074	Purified Water (Ph. Eur., BP) pure, pharma grade	7732-18-5	10 ltr

Stabilizers & Antioxidants

CODE	PRODUCT NAME	CAS	PACK SIZE
140032	Ascorbic Acid USP, Ph.Eur. (tested for BET/MLT)	50-81-7	5 kg, 25 kg
Flexbumin 20%	Human Serum Albumin Solution 20% (IP, Ph.Eur.)	70024-90-7	100 ml
Flexbumin 25%	Human Serum Albumin Solution 25% (IP, Ph.Eur.)	70024-90-7	100 ml
17517	DL-Panthenol USP, Ph.Eur., BET, TAMC, TYMC	16485-10-2	5 kg, 25 kg
10329	Sodium Thiosulphate Pentahydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	10102-17-7	5 kg, 25 kg
631621	D(+)-Sucrose (USP-NF, Ph. Eur., BP) low endotoxin, IPEC grade	57-50-1	25 kg

Surfactants & Solubilizers

CODE	PRODUCT NAME	CAS	PACK SIZE
540085	PEG 60 Hydrogenated Castor Oil (MLT Tested)	61788-85-0	500 ml, 20 ltr
PXM407	Poloxamer-407 Micronized USP-NF, Ph.Eur. (tested for BET/MLT)	9003-11-6	5 kg, 50 kg
142312	Tween 20 (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	9005-64-5	1 ltr, 5 ltr

Tonicity & Buffering Agents

CODE	PRODUCT NAME	CAS	PACK SIZE
140035	Citric Acid Anhydrous USP, Ph.Eur. (tested for BET/MLT)	77-92-9	5 kg, 25 kg
16161	Citric Acid Monohydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC	5949-29-1	5 kg, 25 kg
16794	Dextrose Anhydrous USP, Ph.Eur., BP, JP, BET, TAMC, TYMC	50-99-7	5 kg, 25 kg

NASAL & INHALATION EXCIPIENTS

CODE	PRODUCT NAME	CAS	PACK SIZE
240107	Hydrochloric Acid 37% USP-NF (tested for BET)	7647-01-0	2.5 kg, 25 kg
616021	Maltose Monohydrate USP-NF, low endotoxin, PharmProve®	6363-53-7	25 kg
A4831	D(-)-Mannitol low endotoxin, (USP, Ph. Eur., BP, JP) pure, pharma grade	69-65-8	1 kg, 5 kg
30160	Potassium Chloride USP, Ph.Eur., BP, BET, TAMC, TYMC	7447-40-7	5 kg, 25 kg
141515	Potassium Hydroxide 85% pellets (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)	1310-58-3	1 kg, 5 kg, 25 kg
631659	Sodium Chloride (USP, Ph. Eur., BP, JP) low endotoxin, IPEC grade	7647-14-5	5 kg, 25 kg
140056	Sodium Citrate Anhydrous USP (tested for BET/MLT)	68-04-2	5 kg, 25 kg
140046	Sodium Citrate Dihydrate USP, Ph.Eur. (tested for BET/MLT)	6132-04-3	5 kg, 25 kg
141677	Sodium di-Hydrogen Phosphate 2-hydrate (USP, Ph. Eur., BP), pharma grade (Endotoxin Tested)	13472-35-0	1 kg, 25 kg
S222-INJ	Sodium Hydroxide Pellets, USP, Ph. Eur., BP (BET/MLT Tested)	1310-73-2	500 gm, 5 kg, 25 kg

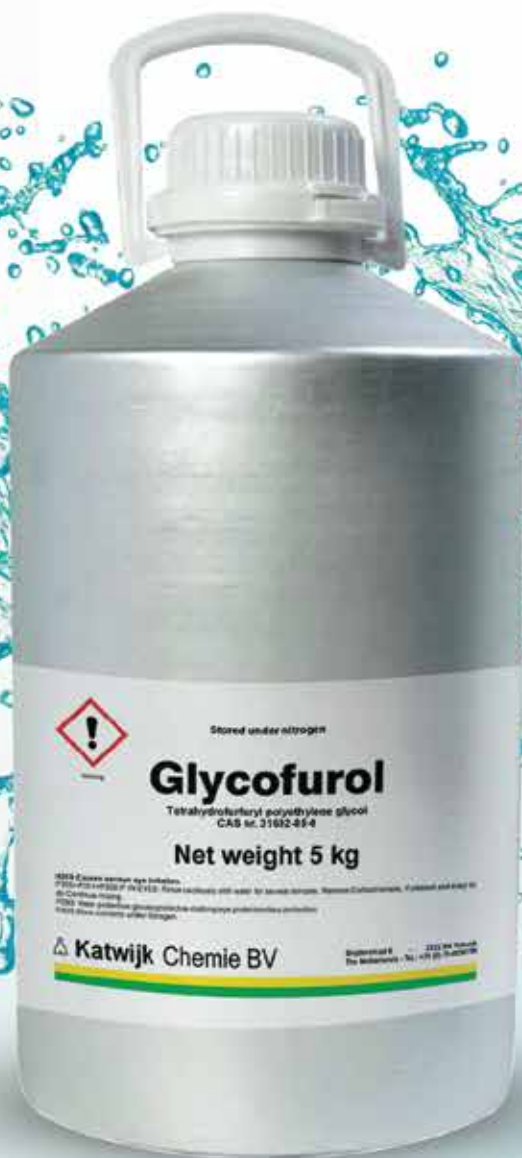
Viscosity Enhancers

CODE	PRODUCT NAME	CAS	PACK SIZE
SUN-010	Dextran 1 (Ph.Eur.)	9004-54-0	1 kg, 25 kg
SUN-011	Dextran 5 (Ph.Eur.)	9004-54-0	1 kg, 25 kg
HGB-001	Sodium Chondroitin Sulfate-Bovine (Terrestrial) (Complying BP)	9007-28-7	200 gm, 1kg
N-K	Sodium Chondroitin Sulfate, JP, N-K (Injectable Grade) Shark Origin	9007-28-7	100 gm, 1 kg
ND-K	Sodium Chondroitin Sulfate, JP, ND-K (Injectable Grade) Shark Origin	9007-28-7	100 gm, 1 kg
SHAN-NH-005	Sodium Hyaluronate, Injection Grade, Ph. Eur. (Registered with CDSCO)	9067-32-7	100 gm, 1 kg



Glycofurol

High Purity, Injectable Grade



 **Katwijk Chemie BV**

SYNONYMS : Polyethyleneglycol tetrahydrofurfurylether

CAS : 31692-85-0

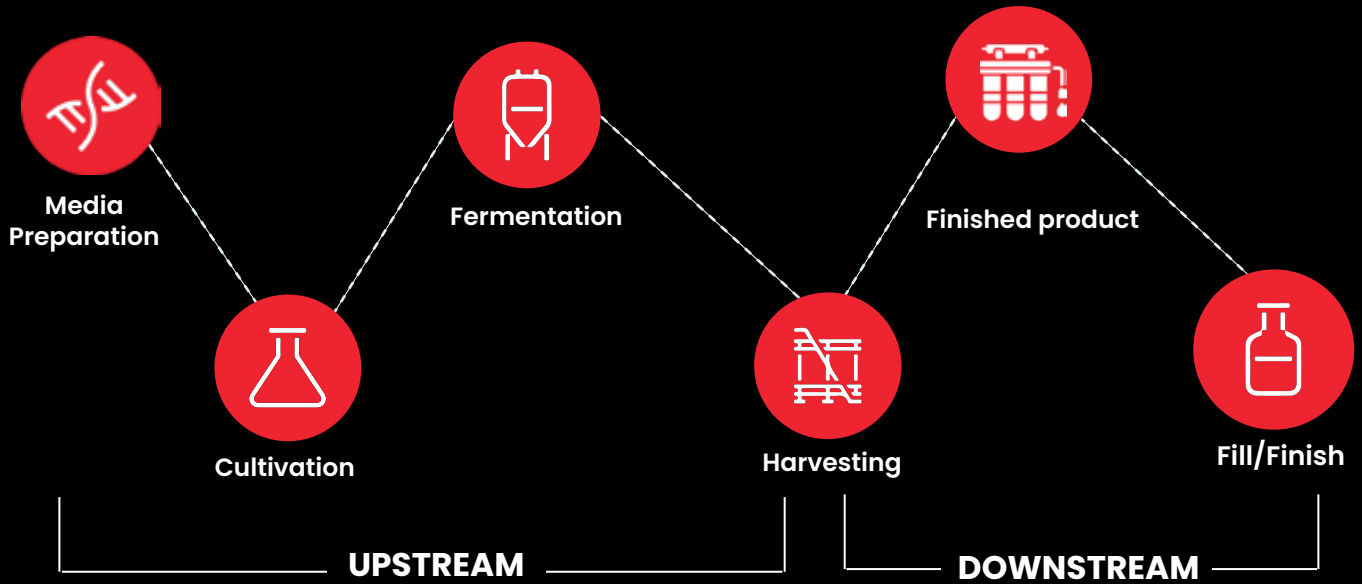
ASSAY : N1 + N2 > 99% Low Endotoxin + Low Bioburden

APPLICATION : Excipient (solvent for Injectables)

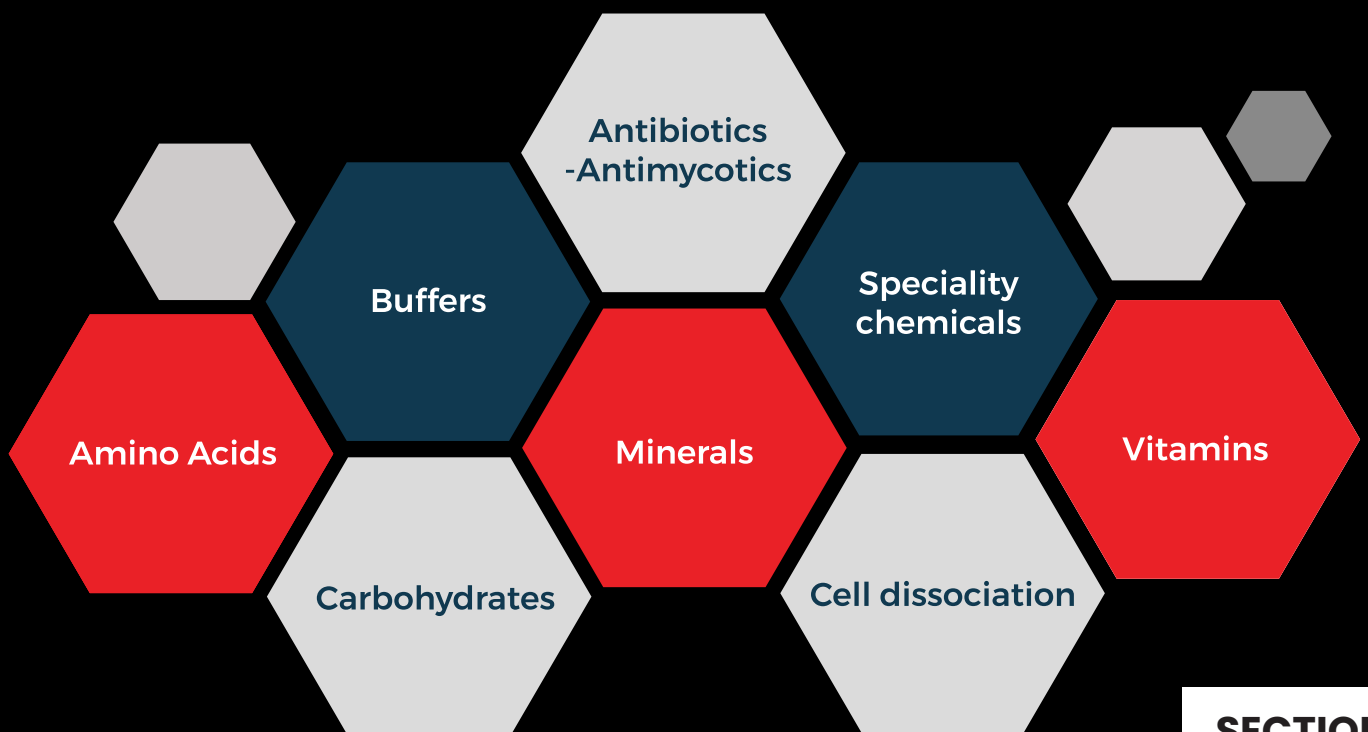
STANDARD PACKAGING : 5kg, 25 kg Aluminium Container

BIOPHARMACEUTICAL PRODUCTS

FOR FERMENTATION & CELL CULTURE



CELL CULTURE MEDIA INGREDIENTS



BIOPHARMA RAW MATERIALS

Amino Acids

CODE	PRODUCT NAME	CAS
A1688	L-Alanine (Ph. Eur., USP) pure, pharma grade	56-41-7
A3198	L-Alanyl-L-Glutamine for cell culture	39537-23-0
A1345	L-Arginine base (Ph. Eur., USP) pure, pharma grade	74-79-3
Z44653	L-Arginine mono-Hydrochloride (USP, BP, Ph. Eur., JP) low endotoxin pure, pharma grade	1119-34-2
A1668	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade	5794-13-8
147755	L-Asparagine anhydrous (USP-NF) pure, pharma grade	70-47-3
A1701	L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade	56-84-8
A1425	L-Cysteine (DAB) pure, pharma grade	52-90-4
A1702	L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade	7048-04-6
A1703	L-Cystine (Ph. Eur.) pure, pharma grade	56-89-3
637765	L-Cystine Dihydrochloride low endotoxin, pharma grade	30925-07-6
A1704	L-Glutamic Acid (Ph. Eur., USP) pure, pharma grade	56-86-0
A1420	L-Glutamine (DAB, USP) pure, pharma grade	56-85-9
141340	Glycine (USP, BP, Ph. Eur.) pure, pharma grade	56-40-6
A1341	L-Histidine base (Ph. Eur., USP) pure, pharma grade	71-00-1
A1591	L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade	5934-29-2
A1705	L-Hydroxyproline pure	51-35-4
A1440	L-Isoleucine (Ph. Eur., USP) pure, pharma grade	73-32-5
A1426	L-Leucine (Ph. Eur., USP) pure, pharma grade	61-90-5
A1342	L-Lysine 1-hydrate (DAB) pure, pharma grade	39665-12-8
A1706	L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade	657-27-2
A1340	L-Methionine (Ph. Eur., USP) pure, pharma grade	63-68-3
A1343	L-Ornithine Hydrochloride (DAB) pure, pharma grade	3184-13-2
A1344	L-Phenylalanine (Ph. Eur., USP) pure, pharma grade	63-91-2
A1707	L-Proline (Ph. Eur., USP) pure, pharma grade	147-85-3
A1708	L-Serine (Ph. Eur., USP) pure, pharma grade	56-45-1
Z41683	Sodium L-Glutamate 1-hydrate (USP-NF) low endotoxin pure, pharma grade	6106-04-3
A1419	L-Threonine (Ph. Eur., USP) pure, pharma grade	72-19-5
A1645	L-Tryptophan (Ph. Eur., USP) pure, pharma grade	73-22-3
A1677	L-Tyrosine (Ph. Eur., USP) pure, pharma grade	60-18-4
A1637	L-Valine (Ph. Eur., USP) pure, pharma grade	72-18-4

Antibiotics-Antimycotics

CODE	PRODUCT NAME	CAS
A6352	Ampicillin Sodium Salt (Ph. Eur.) pure, pharma grade	69-52-3
A1492	Gentamycin sulfate BioChemica	1405-41-0
A4789	Kanamycin Sulfate (Ph. Eur., BP) pure, pharma grade	5965-95-7
A1837	Penicillin G Potassium Salt BioChemica	113-98-4

Buffers

CODE	PRODUCT NAME	CAS
A0838	2-Amino-2-Methyl-1-Propanol for buffer solutions	124-68-5
A1025	Bis-Tris for buffer solutions	6976-37-0
A1069	HEPES for buffer solutions	7365-45-9
A3268	HEPES for cell culture	7365-45-9
A4517	MOPS Hemisodium Salt for buffer solutions	117961-20-3
Z92018	Sodium di-Hydrogen Phosphate anhydrous (USP) low endotoxin, pharma grade	7558-80-7
141678	di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10039-32-4
141638	Sodium Hydrogen Carbonate (USP, BP, Ph. Eur.) pure, pharma grade	144-55-8
141644	di-Sodium tetra-Borate 10-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade	1303-96-4
Z41940	Tris (USP, BP, Ph. Eur.) low endotoxin pure, pharma grade	77-86-1
141940	Tris (USP, BP, Ph. Eur.) pure, pharma grade	77-86-1
633654	Tris Hydrochloride low endotoxin, pharma grade	1185-53-1

Carbohydrates

CODE	PRODUCT NAME	CAS
A2249	Dextran 40 BioChemica	9004-54-0
A8479	Dextran 70 (Ph. Eur.) pure, pharma grade	9004-54-0
616015	D-(+)-Galactose USP-NF, Ph.Eur., low endotoxin, PharmProve®	59-23-4
143140	D(+)-Glucose 1-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	77938-63-7
141341	D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pharma grade, BioChemica	50-99-7
141621	D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade	57-50-1

Cell Dissociation

CODE	PRODUCT NAME	CAS
141026	EDTA (USP-NF, BP, Ph. Eur.) pharma grade, BioChemica	60-00-4
141669	EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6381-92-6
A3964	Trypsin from bovine pancreas	9002-07-7

Minerals

CODE	PRODUCT NAME	CAS
191232	Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade	10035-04-8
141270	Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade	7758-99-8
141362	Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7782-63-0
191494	Potassium Chloride (USP, BP, Ph. Eur.) pharma grade	7447-40-7
141512	di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade	7758-11-4
631659	Sodium Chloride (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	7647-14-5
141965	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade	10049-21-5
141677	Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) for analysis, pharma grade	13472-35-0
142507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10028-24-7

BIOPHARMA RAW MATERIALS

CODE	PRODUCT NAME	CAS
141679	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	7558-79-4
192756	Sodium Selenite anhydrous (Ph. Eur., BP) pharma grade	10102-18-8

Speciality Chemicals

CODE	PRODUCT NAME	CAS
A2150	2'-Deoxyadenosine 1-hydrate BioChemica	16373-93-6
A2151	2'-Deoxycytidine Hydrochloride BioChemica	3992-42-5
A2152	2'-Deoxyguanosine 1-hydrate BioChemica	961-07-9
Z46543	Guanosine low endotoxin, pure grade	118-00-3
A2243	L-Glutathione oxidized BioChemica	27025-41-8
A2084	L-Glutathione reduced BioChemica	70-18-8
A2253	β -Glycerol Phosphate Disodium Salt 5-hydrate BioChemica	819-83-0
A0700	Hypoxanthine BioChemica	68-94-0
A7729	Hypoxanthine Sodium Salt BioChemica	45738-97-4
A1124	NAD	53-84-9
A1394	NADP Sodium Salt	1184-16-3
175208	Pepsin 1:10.000 NF	9001-75-6
A0999	PMSF BioChemica	329-98-6
A2217	Putrescine dihydrochloride	333-93-7
A4859	Sodium Pyruvate for cell culture	113-24-6
A0672	Spermine BioChemica	71-44-3
A7080	Spermine Tetrahydrochloride BioChemica	306-67-2
A9778	Triton X-100 replacement (ECOSURF EH-9)	64366-70-7
A9779	Triton X-100 replacement (ECOSURF SA-9)	-
A9780	Triton X-100 replacement (TERGITOL 15-S-9)	68131-40-8
142050	Tween 80 (USP-NF, BP, Ph. Eur.) pharma grade, BioChemica	9005-65-6
191754	Urea crystalline (USP, BP, Ph. Eur.) pharma grade	57-13-6
A0666	Uridine BioChemica	58-96-8

Vitamins

CODE	PRODUCT NAME	CAS
141013	L(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pharma grade, BioChemica	50-81-7
143977	D(+)-Biotin (USP) pure, pharma grade	58-85-5
A7092	Folic acid crystalline (Ph. Eur., USP) pure, pharma grade	59-30-3
A7211	IPTG from plant origin galactose, dioxane free	367-93-1
A1716	myo-Inositol BioChemica	87-89-8
A4065	DL- α -Lipoic Acid BioChemica	1077-28-7
A0963	Nicotinic Acid (Ph. Eur., USP) pure, pharma grade	59-67-6
A7213	D-Pantothenic Acid Calcium Salt (Ph. Eur., USP) pure, pharma grade	137-08-6
A2088	D-Pantothenic Acid Calcium Salt BioChemica	137-08-6

BIOPHARMA RAW MATERIALS

CODE	PRODUCT NAME	CAS
A0960	Pyridoxal Hydrochloride BioChemica	65-22-5
A8093	Pyridoxine Hydrochloride (Ph. Eur., USP) pure, pharma grade	58-56-0
A6279	Riboflavin (Ph. Eur., USP) pure, pharma grade	83-88-5
A0955	Thiamin Hydrochloride BioChemica	67-03-8
A8454	Vitamin B12 (Ph. Eur.) pure, pharma grade	68-19-9

Miscellaneous

CODE	PRODUCT NAME	CAS
631085	Ethanol 96% v/v (Ph.Eur, BP, USP) IPEC grade	64-17-5
631086	Ethanol absolute (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	64-17-5
143006	Hydrochloric Acid 10% w/w (USP-NF, Ph. Eur.) pure, pharma grade	7647-01-0
A1531	Sodium Deoxycholate BioChemica	302-95-4
413819	Tryptone Soy Agar (TSA) (Ph. Eur., USP, ISO) (Dehydrated Culture Media) for microbiology	-
A1552	Yeast extract BioChemica	-

Sodium Caprylate

USP-NF, BP, Ph. Eur., ChP - Low Endotoxin, IPEC Grade

ASSAY – 99 % -101 %

PRODUCT CODE - 636454

CAS - 1984-06-1

PACK SIZE - 10Kg & 25Kg



FOR
PLASMA
FRACTIONATION

Virus Activation | Precipitation | Excipient

EXCIPIENTS FOR **VACCINE** FORMULATION



UPSTREAM

Amino Acids
Buffers
Carbohydrates
Minerals
Antibiotics - Antimycotics
Speciality Chemicals
Vitamins

DOWNSTREAM

Ethanol
2-Propanol
Sodium Chloride
Sodium Hydroxide pellets
Sodium Hydroxide solutions

FORMULATION

Excipients pharma grade
and low in endotoxins

Why us?

- Comprehensive portfolio for upstream, downstream & formulation
- Low in endotoxins excipients
- Regulatory documentation available
- Product traceability

VACCINE RAW MATERIALS

Acids

CODE	PRODUCT NAME	CAS
141808	Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade	77-92-9

Adjuvants

CODE	PRODUCT NAME	CAS
141669	EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6381-92-6

Amino Acids

CODE	PRODUCT NAME	CAS
A1341	L-Histidine base (Ph. Eur., USP) pure, pharma grade	71-00-1
A1591	L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade	5934-29-2
141683	Sodium L-Glutamate 1-hydrate (USP-NF) pure, pharma grade	6106-04-3
Z41683	Sodium L-Glutamate 1-hydrate (USP-NF) low endotoxin pure, pharma grade	6106-04-3

Base

CODE	PRODUCT NAME	CAS
S222-INJ	Sodium Hydroxide Pellets, USP, BP, EP (BET/MLT Tested)	1310-73-2

Buffers

CODE	PRODUCT NAME	CAS
141008	Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade	64-19-7
141018	Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade	5949-29-1
143006	Hydrochloric Acid 10% w/w (USP-NF, Ph. Eur.) pure, pharma grade	7647-01-0
141020	Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7647-01-0
141509	Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade	7778-77-0
141632	Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6131-90-4
141655	tri-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6132-04-3
633654	Tris Hydrochloride low endotoxin, pharma grade	1185-53-1
Z41940	Tris (USP, BP, Ph. Eur.) low endotoxin pure, pharma grade	77-86-1
141940	Tris (USP, BP, Ph. Eur.) pure, pharma grade	77-86-1

Chelating Agents

CODE	PRODUCT NAME	CAS
141026	EDTA (USP-NF, BP, Ph. Eur) pharma grade, BioChemica	60-00-4

Diluents

CODE	PRODUCT NAME	CAS
631659	Sodium Chloride (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	7647-14-5

VACCINE RAW MATERIALS

Emulsifiers

CODE	PRODUCT NAME	CAS
142050	Tween 80 (USP-NF, BP, Ph. Eur.) pharma grade, BioChemica	9005-65-6

Lipids

CODE	PRODUCT NAME	CAS
A0807	Cholesterol BioChemica	57-88-5

Salts

CODE	PRODUCT NAME	CAS
626083	Guanidine Hydrochloride USP-NF, Ph.Eur., low endotoxin, PharmProve®	50-01-1
142507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10028-24-7

Solvents

CODE	PRODUCT NAME	CAS
631085	Ethanol 96% v/v (Ph.Eur, BP, USP) IPEC grade	50-01-1
631086	Ethanol absolute (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	10028-24-7

Stabilizers

CODE	PRODUCT NAME	CAS
141396	Magnesium Chloride 6-hydrate (BP, Ph. Eur.) pure, pharma grade	7791-18-6
191494	Potassium Chloride (USP, BP, Ph. Eur.) pharma grade	7447-40-7
141621	D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade	57-50-1

Sugars

CODE	PRODUCT NAME	CAS
A1742	D(+)-Trehalose 2-hydrate BioChemica	6138-23-4

Surfactants

CODE	PRODUCT NAME	CAS
142312	Tween 20 (USP-NF, BP, Ph. Eur.) pure, pharma grade	9005-64-5

N-Acetyl-DL- Tryptophan

Ph. Eur, BP | Low Endotoxin | Pharma Grade



Key Highlights

High Purity: Assay (Acetic acid) $\geq 99.0 - 101.0$ %

Bacterial endotoxins: 20 IU/g

Total Aerobic Microbial Count (TAMC): 10 cfu/g

Total combined yeast and moulds (TYMC): 10 cfu/g

Specifications

Appearance: White powder

CAS: 87-32-1

Pack Sizes

Size: 5 kg & 25 kg

**EXCIPIENT
FOR
PLASMA
FRACTIONATION**

ENSURES STABILITY AND PURITY IN PLASMA
PROTEIN THERAPIES.



RAW MATERIALS FOR PLASMA FRACTIONATION

Blood Plasma Fractionation

Human plasma contains proteins of high therapeutic value, which are prepared from the pooled plasma of many donors. They are also called plasma derivatives, i.e. concentrates of specific plasma proteins, which are obtained through a process known as fractionation.

The main fractionation steps include precipitation, purification and virus inactivation. Therefore, plasma derivatives are heat treated and / or solvent detergent-treated to kill certain viruses like those that cause HIV or hepatitis.

Plasma derivatives include :

- Factor VIII
- Factor IX
- Anti-Inhibitor Coagulation Complex (AICC)
- Albumin
- Immunoglobulins, including Rh Immunoglobulin
- Anti-Thrombin III
- alpha 1-Proteinase Inhibitor

These proteins are used for e. g. haemophilia or autoimmune disorders treatment.

We are fully aware of the safety and quality requirements to prepare such therapeutic proteins. Therefore, we shall be your first choice as supplier of reagents for plasma fractionation.

- **High-quality raw materials** that fulfill Pharmacopoeia specifications.
- **Documentation** for register and approval available (MSDS, regulatory certification, manufacturing process).
- **Effectiveness** of the purification process guaranteed reliably.

Raw materials for the precipitation of proteins

Whatever parameter has to be modified: pH, ionic strength or ethanol concentration, with our reagents, you may adjust to the required conditions to precipitate the plasma proteins.

Raw materials for protein purification

Fractions obtained from plasma after precipitation are still complex mixtures and do require further purification steps.

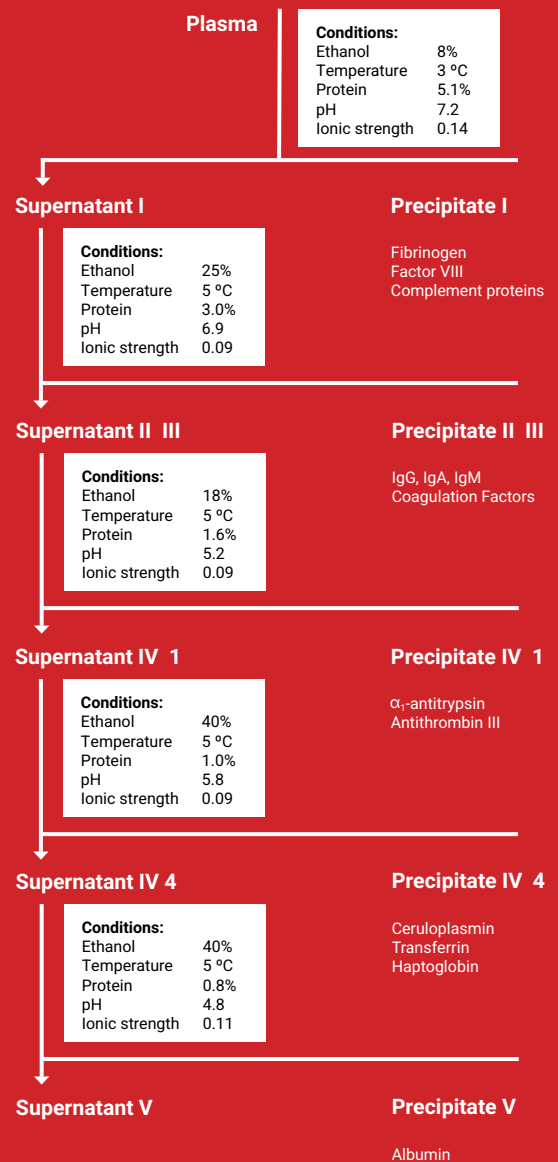
Purification techniques include :

- Filtration
- Affinity Chromatography (AC)
- Immobilized metal ion affinity chromatography (IMAC)
- Size exclusion chromatography (SEC)
- Ion exchange chromatography (IEX)

A good elution is achieved by increasing the salt concentration, modifying pH and polarity, adding chaotropes and/or detergents. Additionally, it is critical to select the appropriate buffer.

Blood Plasma Fractionation Scheme

This reaction scheme is an example of how a plasma fractionation may be performed. The scheme was adapted from Curling, J. (2002) *BioPharm Int.* 15(10), 16-26



Raw materials for virus inactivation

The virus inactivation is an essential step to prevent contamination by viruses such as Hepatitis or HIV. Apart from a very strict control and selection of donors, some virus inactivation steps are carried out before final product release.

The chemical treatment used for virus inactivation are:

- Low pH treatment
- Pasteurization (requires a stabilizer like sucrose, glycine or sodium caprylate)
- Solvent/detergent treatment

PLASMA RAW MATERIALS

Buffer Selection

CODE	PRODUCT NAME	CAS	PACK SIZE
141008	Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade	64-19-7	1 Ltr, 5 Ltr, 25 Ltr
141808	Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade	77-92-9	1 Kg, 5 Kg, 25 Kg
141018	Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade	5949-29-1	1 Kg, 5 Kg, 25 Kg
141669	EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6381-92-6	1 Kg, 5 Kg, 25 Kg
IG2108	Hydrochloric Acid 2 mol/l (2N) pharma grade	7647-01-0	25 Ltr
A1074	MES 1-hydrate for buffer solutions	145224-94-8	250 Gm, 1 Kg
141512	di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade	7758-11-4	1 Kg, 5 Kg, 25 Kg
141509	Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade	7778-77-0	1 Kg, 5 Kg, 25 Kg
631632	Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC grade	6131-90-4	5 Kg, 25 Kg
631659	Sodium Chloride (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	7647-14-5	25 Kg
631655	tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) IPEC grade	6132-04-3	25 Kg
141965	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade	10049-21-5	25 Kg
IG1679	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	7558-79-4	25 Kg
S222-INJ	Sodium Hydroxide Pellets, USP, BP, EP (BET/MLT Tested)	1310-73-2	500 Gm, 5 Kg, 25 Kg
Z41940	Tris (USP, BP, Ph. Eur.) low endotoxin pure, pharma grade	77-86-1	1 Kg, 5 Kg, 10 Kg, 25 Kg

Elution

CODE	PRODUCT NAME	CAS	PACK SIZE
A1032	Ammonium Sulfate BioChemica	7783-20-2	1 Kg, 5 Kg
141270	Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade	7758-99-8	1 Kg, 25 Kg
141340	Glycine (USP, BP, Ph. Eur.) pure, pharma grade	56-40-6	1 Kg, 5 Kg, 25 Kg
626083	Guanidine Hydrochloride USP-NF, Ph.Eur., low endotoxin, PharmProve®	50-01-1	20 kg
IG2536	Imidazole pure	288-32-4	20 Kg
631404	Magnesium Sulfate 7-hydrate (Ph. Eur, BP) IPEC grade	10034-99-8	25 Kg
631659	Sodium Chloride (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	7647-14-5	25 Kg
631621	D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low endotoxin, IPEC grade	57-50-1	25 Kg
142050	Tween 80 (USP-NF, BP, Ph. Eur.) pharma grade, BioChemica	9005-65-6	1 Ltr, 5 Ltr
191754	Urea crystalline (USP, BP, Ph. Eur.) pharma grade	57-13-6	25 Kg

Plasma Fractionation

CODE	PRODUCT NAME	CAS	PACK SIZE
141008	Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade	64-19-7	1 Ltr, 5 Ltr, 25 Ltr
Z44653	L-Arginine mono-Hydrochloride (USP, BP, Ph. Eur., JP) low endotoxin pure, pharma grade	1119-34-2	5 Kg
637763	N-Acetyl-DL-Tryptophan (Ph. Eur, BP) low endotoxin, pharma grade	87-32-1	5 Kg, 25 Kg
141669	EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6381-92-6	1 Kg, 5 Kg, 25 Kg
141340	Glycine (USP, BP, Ph. Eur.) pure, pharma grade	56-40-6	1 Kg, 5 Kg, 25 Kg
141020	Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7647-01-0	1 Ltr, 2.5 Ltr, 5 Ltr, 25 Ltr
632786	Octanoic Acid (BP, Ph. Eur., USP-NF, ChP) low endotoxin, IPEC grade	124-07-2	2.5 Ltr, 10 Ltr, 25 Ltr
141509	Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade	7778-77-0	1 Kg, 5 Kg, 25 Kg
141512	di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade	7758-11-4	1 Kg, 5 Kg, 25 Kg

PLASMA RAW MATERIALS

CODE	PRODUCT NAME	CAS	PACK SIZE
631632	Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC grade	6131-90-4	5 Kg, 25 Kg
636454	Sodium Caprylate (USP-NF, BP, Ph. Eur., ChP) low endotoxin, IPEC grade	1984-06-1	10 Kg, 25 Kg
631659	Sodium Chloride (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	7647-14-5	25 Kg
IG1679	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	7558-79-4	25 Kg
141965	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade	10049-21-5	25 Kg
S222-INJ	Sodium Hydroxide Pellets, USP, BP, EP (BET/MLT Tested)	1310-73-2	500 Gm, 5 Kg, 25 Kg
631655	tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) IPEC grade	6132-04-3	25 Kg
631621	D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low endotoxin, IPEC grade	57-50-1	25 Kg

Precipitation of Proteins

CODE	PRODUCT NAME	CAS	PACK SIZE
63B764	6-Aminohexanoic Acid (Ph. Eur., BP, USP) IPEC grade	60-32-2	5 Kg
141008	Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade	64-19-7	1 Ltr, 5 Ltr, 25 Ltr
632786	Octanoic Acid (BP, Ph. Eur., USP-NF, ChP) low endotoxin, IPEC grade	124-07-2	2.5 Ltr, 10 Ltr, 25 Ltr
631632	Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC grade	6131-90-4	5 Kg, 25 Kg
636454	Sodium Caprylate (USP-NF, BP, Ph. Eur., ChP) low endotoxin, IPEC grade	1984-06-1	10 Kg, 25 Kg
S222-INJ	Sodium Hydroxide Pellets, USP, BP, EP (BET/MLT Tested)	1310-73-2	500 Gm, 5 Kg, 25 Kg

Virus Inactivation

CODE	PRODUCT NAME	CAS	PACK SIZE
141008	Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade	64-19-7	1 Ltr, 5 Ltr, 25 Ltr
616021	Maltose Monohydrate USP-NF, low endotoxin, PharmProve®	6363-53-7	25 kg
Z46373	n-Octyl-β-D-Glucopyranoside pure	29836-26-8	1 Kg
632786	Octanoic Acid (BP, Ph. Eur., USP-NF, ChP) low endotoxin, IPEC grade	124-07-2	2.5 Ltr, 10 Ltr, 25 Ltr
631632	Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC grade	6131-90-4	5 Kg, 25 Kg
636454	Sodium Caprylate (USP-NF, BP, Ph. Eur., ChP) low endotoxin, IPEC grade	1984-06-1	10 Kg, 25 Kg
142050	Tween 80 (USP-NF, BP, Ph. Eur.) pharma grade, BioChemica	9005-65-6	1 Ltr, 5 Ltr



SECURITY FOR YOUR PLASMA DERIVATIVES

Virus Activation | Precipitation | Excipient

Octanoic Acid

BP, Ph. Eur., USP-NF, ChP, Low endotoxin, IPEC grade



SYNONYM: Caprylic acid

ASSAY: 99% -100.5%

CODE: 632786

CAS: 124-07-2

PACK SIZE: 2.5 L, 10 L, 25 L, 950 L

6-Aminohexanoic Acid

Ph. Eur., BP, USP, IPEC grade

SYNONYM: 6-Aminocaproic Acid

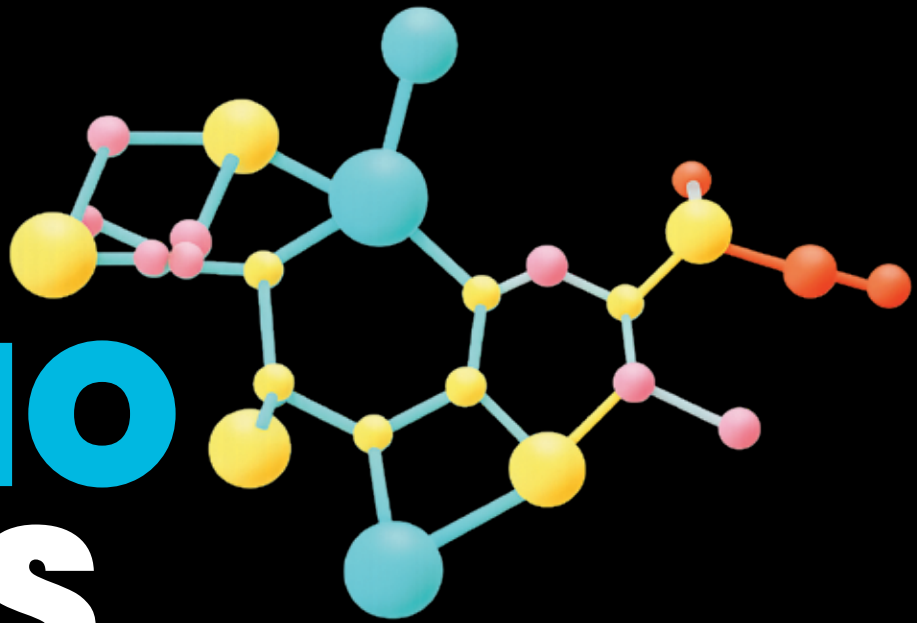
ASSAY: 98.5-101%

CODE: 63B764

CAS: 60-32-2

PACK SIZE: 5kg

AMINO ACIDS

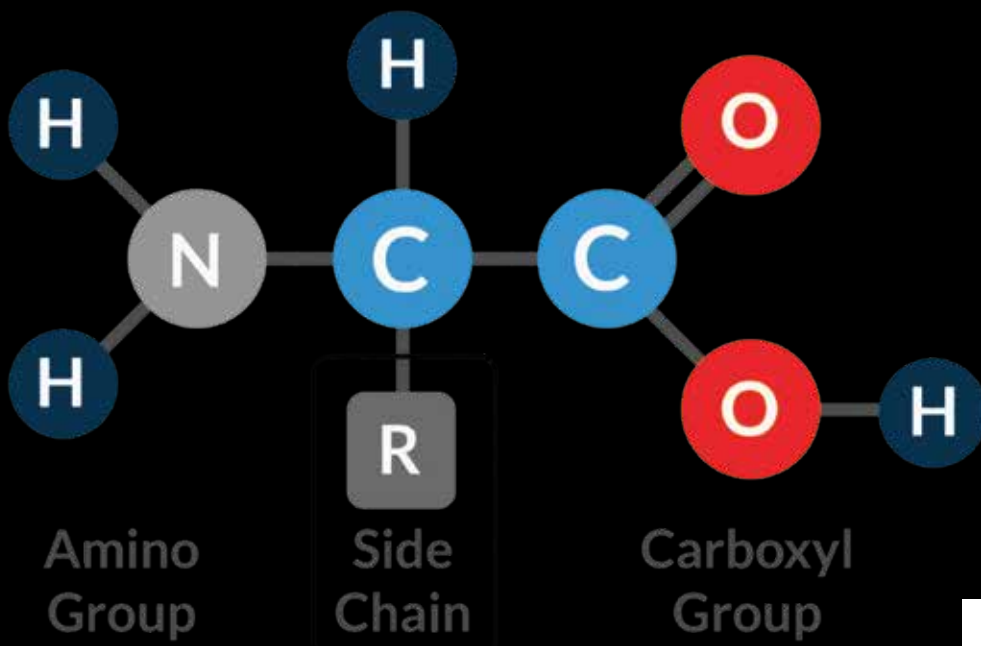


For Parenteral Formulations

Amino acids are essential for parenteral formulations, they serve as supplements for cell culture media and can function as complex formers & buffering agents.

Our pharmaceutical-grade amino acids meet global quality standards, ensuring safety & effectiveness.

Our amino acids are of the highest quality, sourced from non-animal origin & come with customized specifications for endotoxin control & stringent microbial limits, making them perfect for your parenteral formulations.



AMINO ACIDS

FOR PARENTERAL APPLICATIONS

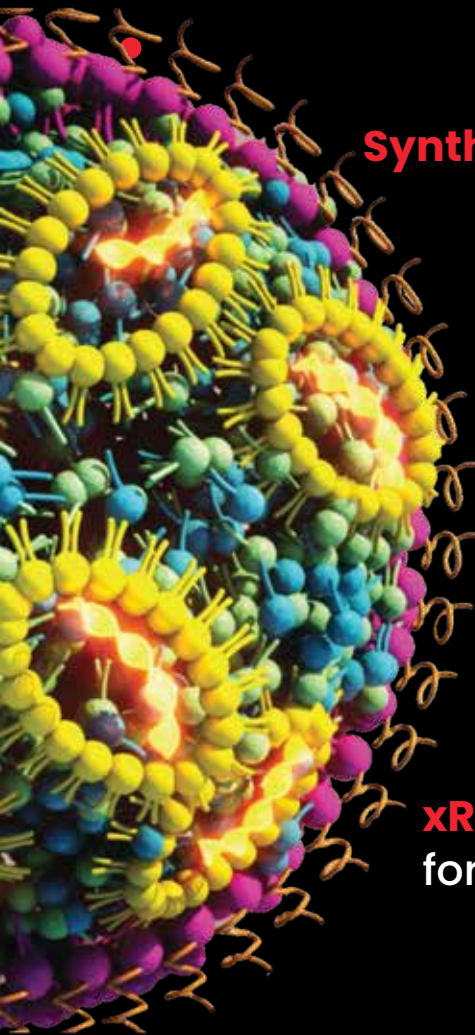
CODE	PRODUCT NAME	CAS	PACK SIZE
A1688	L-Alanine (Ph. Eur., USP) pure, pharma grade	56-41-7	100 Gm
A3198	L-Alanyl-L-Glutamine for cell culture	39537-23-0	1 Kg, 2 Kg
A1345	L-Arginine base (Ph. Eur., USP) pure, pharma grade	74-79-3	500 Gm, 1 Kg, 10 Kg
A1345-INJ	L-Arginine base (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)	74-79-3	500 Gm, 1 Kg, 10 Kg
Z44653	L-Arginine mono-Hydrochloride (USP, BP, Ph. Eur., JP) low endotoxin pure, pharma grade	1119-34-2	5 Kg
147755	L-Asparagine anhydrous (USP-NF) pure, pharma grade	70-47-3	5 Kg
A1668	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade	5794-13-8	100 Gm, 1 Kg, 25 Kg
A1668-INJ	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade (Endotoxin Tested)	5794-13-8	100 Gm, 1 Kg, 25 Kg
A1701	L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade	56-84-8	1 Kg, 5Kg, 50 Kg
A1701-INJ	L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)	56-84-8	1 Kg, 5Kg, 50 Kg
A1425	L-Cysteine (DAB) pure, pharma grade	52-90-4	1 Kg
A1702	L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade	7048-04-6	1 Kg
A1702-INJ	L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)	7048-04-6	1 Kg
A1703	L-Cystine (Ph. Eur.) pure, pharma grade	56-89-3	100 Gm, 1 Kg, 5 Kg
637765	L-Cystine Dihydrochloride low endotoxin, pharma grade	30925-07-6	5 Kg, 10 Kg
A1704	L-Glutamic Acid (Ph. Eur., USP) pure, pharma grade	56-86-0	1 Kg
A1420	L-Glutamine (DAB, USP) pure, pharma grade	56-85-9	250 Gm, 1 Kg, 25 Kg
141340	Glycine (USP, BP, Ph. Eur.) pure, pharma grade	56-40-6	1 Kg, 5 Kg, 25 Kg
141340-INJ	Glycine (USP, BP, Ph. Eur.) pure, pharma grade (Endotoxin Tested)	56-40-6	1 Kg, 5 Kg, 25 Kg
A1341	L-Histidine base (Ph. Eur., USP) pure, pharma grade	71-00-1	100 Gm, 1 Kg, 5 Kg
A1341-INJ	L-Histidine base (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)	71-00-1	100 Gm, 1 Kg, 5 Kg
A1591	L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade	5934-29-2	100 Gm, 500 Gm, 1 Kg
A1705	L-Hydroxyproline pure	51-35-4	250 Gm
A1440	L-Isoleucine (Ph. Eur., USP) pure, pharma grade	73-32-5	1 Kg
A1426	L-Leucine (Ph. Eur., USP) pure, pharma grade	61-90-5	1 Kg
A1342	L-Lysine 1-hydrate (DAB) pure, pharma grade	39665-12-8	100 Gm, 250 Gm, 10 Kg
A1706	L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade	657-27-2	1 Kg, 25 Kg
A1706-INJ	L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)	657-27-2	1 Kg, 25 Kg
A1340	L-Methionine (Ph. Eur., USP) pure, pharma grade	63-68-3	100 Gm, 1 Kg
A1340-INJ	L-Methionine (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)	63-68-3	100 Gm, 1 Kg
A1343	L-Ornithine Hydrochloride (DAB) pure, pharma grade	3184-13-2	1 Kg
A1344	L-Phenylalanine (Ph. Eur., USP) pure, pharma grade	63-91-2	1 Kg
A1707	L-Proline (Ph. Eur., USP) pure, pharma grade	147-85-3	100 Gm, 1 Kg, 20 Kg
A1708	L-Serine (Ph. Eur., USP) pure, pharma grade	56-45-1	100 Gm, 1 Kg
A1419	L-Threonine (Ph. Eur., USP) pure, pharma grade	72-19-5	1 Kg
A1645	L-Tryptophan (Ph. Eur., USP) pure, pharma grade	73-22-3	100 Gm, 500 Gm, 1 Kg
A1677	L-Tyrosine (Ph. Eur., USP) pure, pharma grade	60-18-4	1 Kg
A1637	L-Valine (Ph. Eur., USP) pure, pharma grade	72-18-4	1 Kg

LIPID NANOPARTICLE (LNP)

EXCIPIENTS FOR ADVANCED DRUG DELIVERY

Our Lipid Offerings

High-quality lipid excipients for drug and vaccine development — from R&D to scale-up



Synthetic Lipids: Reliable, globally compliant supply

cGMP-Grade Excipients: Phospholipids, PEGylated, cationic & ionizable lipids

xRNA/mRNA Ready: Optimized for LNP & vaccine formulations

Ensuring Stability, Bioavailability & Targeted Delivery in next-gen therapeutics

LIPID PORTFOLIO

Synthetic Phospholipids (PC)

PRODUCT NAME	CAS	PACK SIZE
1,2-Dierucoyl-sn-glycero-3-phosphocholine (DEPC)	51779-95-4	1 gm
1,2-Dimyristoyl-sn-glycero-3-Phosphocholine (DMPC)	18194-24-6	1 gm
1,2-Dioleoyl-sn-glycero-3-Phosphocholine (DOPC)	4235-95-4	1 gm, 100 gm
1,2-Dipalmitoyl-sn-glycero-3-Phosphocholine (DPPC)	63-89-8	1 gm
1,2-Distearoyl-sn-glycero-3-Phosphocholine (DSPC)	816-94-4	1 gm, 5 kg
Hydrogenated Soybean Phosphatidylcholine (HSPC)	92128-87-5	1 kg

Synthetic Phospholipids (PE)

PRODUCT NAME	CAS	PACK SIZE
1,2-Dioleoyl-sn-glycero-3-phosphoethanolamine (DOPE)	4004-05-01	1 gm
1,2-Distearoyl-sn-glycero-3-phosphoethanolamine (DSPE)	1069-79-0	1 gm

Synthetic Phospholipids (PG)

PRODUCT NAME	CAS	PACK SIZE
1,2-Dimyristoyl-sn-glycero-3-phospho-rac-glycerol (DMPG)	67232-80-8	1 gm
1,2-Dipalmitoyl-sn-glycero-3-phospho-rac-glycerol (DPPG)	67232-81-9	1 gm, 100 gm
1,2-Distearoyl-sn-glycero-3-phospho-rac-glycerol (DSPG)	4537-78-4	1 gm, 100 gm
1,2-Distearoyl-sn-glycero-3-phospho-rac-glycerol, sodium salt (DSPG-NA)	200880-42-8	1 kg

Natural Phospholipids (PC)

PRODUCT NAME	CAS	PACK SIZE
Egg Phospholipids With 80% Phosphatidylcholine	93685-90-6	1 kg
Soyabean Phospholipid With 94% Phosphatidylcholine	97281-47-5	1 kg
Soyabean Phospholipid With 98% Phosphatidylcholine	97281-48-6	1 kg

Functional Excipients

PRODUCT NAME	CAS	PACK SIZE
Cholesterol NF, Powder	57-88-5	5 gm, 5 kg
Sodium Oleate, Pharma Grade	143-19-1	1 kg

PEGylated Phospholipids

PRODUCT NAME	CAS	PACK SIZE
1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[amino polyethylene glycol- 2000] (DSPE-mPEG2000)	147867-65-0	1 kg

Purified Oils

PRODUCT NAME	CAS	PACK SIZE
Medium-chain Triglycerides USP, Ph.Eur.	73398-61-5	1 kg
Soyabean Oil, Refined Ph.Eur., BP (tested for BET/MLT)	8001-22-7	25 kg

BIORESORBABLE POLYMERS

The best choice for long acting and sustained drug delivery formulations

We offer custom PLGA, PDLLA, and PCL polymers engineered for long-acting and sustained drug delivery

We address formulation challenges by providing tailored polymers for R&D and GMP-quality development

PLGA Advantages

- **Biodegradable & biocompatible:** safely breaks down in the body
- **Controlled release:** ideal for sustained drug delivery
- **Customizable properties:** molecular weight, ratios & end groups tailored for precise performance



POLYMER PORTFOLIO

PLGA

CODE	PRODUCT NAME	END GROUP	I.V / MOL.WT.	PACK SIZE
PLGA-NS001	PLGA (50:50) Acid terminated	COOH	0.32-0.44 dL/g	100 gm, 1 kg
PLGA-NS002	PLGA (50:50) Ester terminated	ESTER	0.32-0.44 dL/g	100 gm, 1 kg
PLGA-NS003	PLGA (50:50) Acid terminated	COOH	0.45-0.60 dL/g	100 gm, 1 kg
PLGA-NS004	PLGA (50:50) Ester terminated	ESTER	0.45-0.60 dL/g	100 gm, 1 kg
PLGA-NS005	PLGA (50:50) Ester terminated	ESTER	0.61-0.74 dL/g	100 gm, 1 kg
PLGA-NS006	PLGA (65:35) Acid terminated	COOH	0.32-0.44 dL/g	100 gm, 1 kg
PLGA-NS007	PLGA (75:25) Acid terminated	COOH	0.32-0.44 dL/g	100 gm, 1 kg
PLGA-NS008	PLGA (75:25) Ester terminated	ESTER	0.32-0.44 dL/g	100 gm, 1 kg
PLGA-NS009	PLGA (75:25) Ester terminated	ESTER	0.5-0.7 dL/g	100 gm, 1 kg
PLGA-NS010	PLGA (75:25) Acid terminated	COOH	0.7-1.0 dL/g	100 gm, 1 kg
PLGA-NS011	PLGA (75:25) Ester terminated	ESTER	0.7-1.0 dL/g	100 gm, 1 kg
PLGA-NS012	PLGA (75:25) Ester terminated	ESTER	0.80-1.20 dL/g	100 gm, 1 kg
PLGA-NS013	PLGA (85:15) Ester terminated	ESTER	1.30-1.70 dL/g	100 gm, 1 kg
PLGA-NS014	PLGA (55:45)- Star Glucose	GLUCOSE	0.45-0.60 dL/g	100 gm, 1 kg

PLLA

CODE	PRODUCT NAME	END GROUP	I.V / MOL.WT.	PACK SIZE
PLLA-001	Poly(L-Lactide) diol	DIOL	30-40 kDa	100 gm, 1 kg
PLLA-002	Poly(L-Lactide), ester terminated	ESTER	30-40 kDa	100 gm, 1 kg
PLLA-003	Poly(L-Lactide), Acid terminated	ACID	30-40 kDa	100 gm, 1 kg
PLLA-004	Poly(L-Lactide), ester terminated	ESTER	50-60 kDa	100 gm, 1 kg
PLLA-005	Poly(L-Lactide), Acid terminated	ACID	50-60 kDa	100 gm, 1 kg

PDLLA

CODE	PRODUCT NAME	END GROUP	I.V / MOL.WT.	PACK SIZE
PDLLA-001	Poly(DL-Lactide) diol	DIOL	30-40 kDa	100 gm, 1 kg
PDLLA-002	Poly(DL-Lactide), ester terminated	ESTER	30-40 kDa	100 gm, 1 kg
PDLLA-003	Poly(DL-Lactide), Acid terminated	ACID	30-40 kDa	100 gm, 1 kg
PDLLA-004	Poly(DL-Lactide), ester terminated	ESTER	50-60 kDa	100 gm, 1 kg
PDLLA-005	Poly(DL-Lactide), Acid terminated	ACID	50-60 kDa	100 gm, 1 kg
PDLLA-006	Poly(DL-Lactide), Acid terminated	ACID	7.0-17 kDa	100 gm, 1 kg
PDLLA-007	Poly(DL-Lactide), Acid terminated	ACID	17-24 kDa	100 gm, 1 kg
MPEG-PDLLA-001	mPEG-PDLLA Copolymer	-	0.10-0.15 dL/g	100 gm, 1 kg
PDLLA-PEG-PDLLA-001	PDLLA-PEG-PDLLA	-	1.0-5.0 kDa	100 gm, 1 kg

TEG-POE

CODE	PRODUCT NAME	END GROUP	I.V / MOL.WT.	PACK SIZE
TEGPOE-001	tri(ethylene glycol) poly(ortho ester) polymer (TEG-POE)	-	4.0-7.0 kDa	100 gm, 1 kg

PRODUCT LIST A-Z

A

Acetic Acid Glacial USP, Ph.Eur. (tested for BET)
N-Acetyl-DL-Tryptophan (Ph. Eur, BP) low endotoxin, pharma grade
Adipic Acid USP, Ph.Eur., JP (tested for BET/MLT)
L-Alanine (Ph. Eur., USP) pure, pharma grade
L-Alanyl-L-Glutamine for cell culture
Alpha Cyclodextrin (Pharma Grade)
Aluminium Chloride 6-Hydrate (USP, Ph.Eur., BP) Pure, Pharma Grade (Endotoxin Tested)
6-Aminohexanoic Acid (Ph. Eur., BP, USP) IPEC grade
2-Amino-2-Methyl-1-Propanol for buffer solutions
AMP 95 (2-Amino-2-Methyl-1 Propanol Solution) (Tested for BET/MLT)
Ampicillin Sodium Salt (Ph. Eur.) pure, pharma grade
Ammonium Sulfate BioChemica
L-Arginine base (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)
L-Arginine mono-Hydrochloride (USP, BP, Ph. Eur., JP) low endotoxin pure, pharma grade
Ascorbic Acid USP, Ph.Eur. (tested for BET/MLT)
L-(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pharma grade, BioChemica
L-Asparagine anhydrous (USP-NF) pure, pharma grade
L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade (Endotoxin Tested)
L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)

B

Benzyl Alcohol (USP-NF, Ph.Eur., BP) Pure, Pharma Grade (Endotoxin Tested)
Betadex SulfoButyl Ether Sodium (USP-NF, DMF)
D-(+)-Biotin (USP) pure, pharma grade
Boric Acid USP, Ph.Eur. (tested for BET/MLT)
Butylhydroxyanisole (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)
Butylhydroxytoluene (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

C

Calcium Chloride Dihydrate USP, Ph.Eur., BP, BET, TAMC, TYMC
Dibasic Calcium Phosphate Dihydrate USP, Ph.Eur., BET, TAMC, TYMC
Chlorobutanol Anhydrous USP-NF, Ph.Eur. (Injectable Grade)
Chlorobutanol Hemihydrate, Sifted USP-NF, Ph.Eur. (Injectable Grade)
Cholesterol NF, Powder
Choline Chloride FCC, BET, TAMC, TYMC
Citric Acid Anhydrous USP, Ph.Eur. (tested for BET/MLT)
Citric Acid Monohydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC
Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade
L-Cysteine (DAB) pure, pharma grade
L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)
L-Cystine (Ph. Eur.) pure, pharma grade
L-Cystine Dihydrochloride low endotoxin, pharma grade

D

2'-Deoxyadenosine 1-hydrate BioChemica
2'-Deoxycytidine Hydrochloride BioChemica
2'-Deoxyguanosine 1-hydrate BioChemica
Dextran 1 (Ph.Eur.)
Dextran 5 (Ph.Eur.)
Dextran 40 BioChemica
Dextran 70 (Ph. Eur.) pure, pharma grade
1,2-Dierucoyl-sn-glycero-3-phosphocholine (DEPC)
1,2-Dimyristoyl-sn-glycero-3-phospho-rac-glycerol (DMPG)
1,2-Dimyristoyl-sn-glycero-3-Phosphocholine (DMPC)
1,2-Dioleoyl-sn-glycero-3-Phosphocholine (DOPC)
1,2-Dioleoyl-sn-glycero-3-phosphoethanolamine (DOPE)
1,2-Dipalmitoyl-sn-glycero-3-phospho-rac-glycerol (DPPG)
1,2-Dipalmitoyl-sn-glycero-3-Phosphocholine (DPPC)
1,2-Distearoyl-sn-glycero-3-phospho-rac-glycerol (DSPG)
1,2-Distearoyl-sn-glycero-3-phospho-rac-glycerol, sodium salt (DSPG-NA)
1,2-Distearoyl-sn-glycero-3-Phosphocholine (DSPC)

1,2-Distearoyl-sn-glycero-3-phosphoethanolamine (DSPE)
n-Dodecyl- β -D Maltoside BioChemica
DSPE-mPEG2000
DTPA Calcium & Trisodium Salt x-hydrate (Ph. Eur.) low endotoxin, IPEC grade

E

EDTA (USP-NF, BP, Ph. Eur) pharma grade, BioChemica
EDTA Disodium Salt 2-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)
Egg Phospholipids With 80% Phosphatidylcholine
Ethanol 96% USP, Ph.Eur., BP, JP, GMP (Injectable Grade)
Ethanol 99% USP, Ph.Eur., BP, JP, GMP (Injectable Grade)
Ethyl Oleate USP-NF, Ph. Eur. (tested for BET/MLT)

F

D(-)-Fructose (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)
Folic acid crystalline (Ph. Eur., USP) pure, pharma grade

G

D-(+)-Galactose USP-NF, Ph.Eur., low endotoxin, PharmProve
Gamma-Cyclodextrin (USP Complying)
Gentamycin sulfate BioChemica
D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pharma grade, BioChemica
D(+)-Glucose 1-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)
L-Glutamic Acid (Ph. Eur., USP) pure, pharma grade
L-Glutamine (DAB, USP) pure, pharma grade
L-Glutathione oxidized BioChemica
L-Glutathione reduced BioChemica
Glycerol 99% USP, Ph.Eur. (tested for BET/MLT)
Glycerol 99% synthetic USP, Ph.Eur., PharmProve®
 β -Glycerol Phosphate Disodium Salt 5-hydrate BioChemica
Glycine (USP, BP, Ph. Eur.) pure, pharma grade (Endotoxin Tested)
Glycofurof (Suitable for Injection)
Guanidine Hydrochloride USP-NF, Ph.Eur., low endotoxin, PharmProve®
Guanosine low endotoxin, pure grade

H

HEPES for buffer solutions
HEPES for cell culture
L-Histidine base (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)
L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade
Human Serum Albumin Solution 20% (IP, Ph.Eur.)
Human Serum Albumin Solution 25% (IP, Ph.Eur.)
Hydrochloric Acid 2 mol/l (2N) pharma grade
Hydrochloric Acid 10% w/w (USP-NF, Ph. Eur.) pure, pharma grade
Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade
Hydrogenated Soybean Phosphatidylcholine (HSPC)
Hydroxypropyl Betadex (USP-NF, DMF)
Hydroxypropyl Gaur Gum (Ophthalmic Grade)
L-Hydroxyproline pure
Hypoxanthine BioChemica
Hypoxanthine Sodium Salt BioChemica

I

Imidazole pure
IPTG from plant origin galactose, dioxane free
myo-Inositol BioChemica
Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
L-Isoleucine (Ph. Eur., USP) pure, pharma grade

PRODUCT LIST A-Z

K

Kanamycin Sulfate (Ph. Eur., BP) pure, pharma grade

L

L-(+)-Lactic Acid (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

L-Leucine (Ph. Eur., USP) pure, pharma grade

DL- α -Lipoic Acid BioChemica

L-Lysine 1-hydrate (DAB) pure, pharma grade

L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)

M

Magnesium Chloride Hexahydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC

Magnesium Sulfate 7-hydrate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

Maltose Monohydrate USP-NF, low endotoxin, PharmProve®

D(-)-Mannitol low endotoxin, (USP, Ph. Eur., BP, JP) pure, pharma grade

MCT OIL 60/40 Based on Coconut Oil Ph.Eur., BP (tested for BET/MLT)

Medium-chain Triglycerides USP, Ph.Eur.

MES 1-hydrate for buffer solutions

Metacresol USP, Ph.Eur. (Injectable Grade)

L-Methionine (Ph. Eur., USP) pure, pharma grade (Endotoxin Tested)

Methyl Paraben USP-NF, Ph.Eur. (tested for BET/MLT)

Monothioglycerol NF (tested for BET/MLT)

MOPS Hemisodium Salt for buffer solutions

Myristyl-Gamma-Picolinium Chloride (MGPC) (Injectable Grade)

N

NAD

NADP Sodium Salt

Nicotinic Acid (Ph. Eur., USP) pure, pharma grade

O

Octanoic Acid (BP, Ph. Eur., USP-NF, ChP) low endotoxin, IPEC grade

n-Octyl- β -D-Glucopyranoside pure

Olive Oil, Refined Ph.Eur., BP (tested for BET/MLT)

L-Ornithine Hydrochloride (DAB) pure, pharma grade

P

D-Pantothenic Acid Calcium Salt (Ph. Eur., USP) pure, pharma grade

DL-Panthenol USP, Ph.Eur., BET, TAMC, TYMC

PDLLA-PEG-PDLLA

PEG 60 Hydrogenated Castor Oil (MLT Tested)

Penicillin G Potassium Salt BioChemica

Pepsin 1:10.000 NF

n-Perfluorooctyl Bromide (Inhalation grade)

mPEG-PDLLA Copolymer

L-Phenylalanine (Ph. Eur., USP) pure, pharma grade

PLGA (50:50) Acid terminated

PLGA (50:50) Ester terminated

PLGA (55:45)- Star Glucose

PLGA (65:35) Acid terminated

PLGA (75:25) Acid terminated

PLGA (75:25) Ester terminated

PLGA (85:15) Ester terminated

PMSF BioChemica

Poloxamer-407 Micronized USP-NF, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 200 USP, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 300 USP, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 400 (Ph.Eur., BP) Pure, Pharma Grade (tested for BET/MLT)

Polyethylene Glycol 600 NF (tested for BET/MLT)

Polyethylene Glycol 1000 USP, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 1450 USP, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 1500 USP, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 3350 Powder USP-NF (tested for BET/MLT)

Polyethylene Glycol 4000 Powder USP, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 6000 USP, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 8000 USP, Ph.Eur. (tested for BET/MLT)

Polyethylene Glycol 20000 USP, Ph.Eur. (tested for BET/MLT)

Poly(DL-Lactide) diol

Poly(DL-Lactide), Acid terminated

Poly(DL-Lactide), ester terminated

Poly(L-Lactide) diol

Poly(L-Lactide), Acid terminated

Poly(L-Lactide), ester terminated

Polyquaternium-1-Liquid, TAMC, TYMC

Polyquaternium-1-Solid, TAMC, TYMC

Polysorbate 80 USP-NF, Ph.Eur. (tested for BET/MLT)

Polyvinyl Alcohol USP-NF (tested for BET/MLT)

Potassium Chloride USP, Ph.Eur., BP, BET, TAMC, TYMC

Potassium di-Hydrogen Phosphate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

di-Potassium Hydrogen Phosphate anhydrous (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

Potassium Hydroxide 85% pellets (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

Potassium Sorbate (Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

1,2 Propylene Glycol USP, Ph.Eur. (tested for BET/MLT)

L-Proline (Ph. Eur., USP) pure, pharma grade

Propyl Paraben USP-NF, Ph.Eur. (tested for BET/MLT)

Purified Water (Ph. Eur., BP) pure, pharma grade

Putrescine dihydrochloride

Pyridoxine Hydrochloride (Ph. Eur., USP) pure, pharma grade

R

Riboflavin (Ph. Eur., USP) pure, pharma grade

S

L-Serine (Ph. Eur., USP) pure, pharma grade

Sesame Oil, Refined USP-NF, Ph.Eur. (tested for BET/MLT)

Sodium Acetate Trihydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC

Sodium Benzoate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

Sodium Caprylate (USP-NF, BP, Ph. Eur., ChP) low endotoxin, IPEC grade

Sodium Chloride (USP, Ph. Eur., BP, JP) low endotoxin, IPEC grade

Sodium Chondroitin Sulfate Bovine (Terrestrial) (Complying BP)

Sodium Chondroitin Sulfate, JP, N-K (Injectable Grade) Shark Origin

Sodium Chondroitin Sulfate, JP, ND-K (Injectable Grade) Shark Origin

Sodium Citrate Anhydrous USP (tested for BET/MLT)

Sodium Citrate Dihydrate USP, Ph.Eur. (tested for BET/MLT)

Sodium Deoxycholate BioChemica

Sodium Formaldehyde Sulfoxylate Dihydrate USP (Injection Grade)

Sodium L-Glutamate 1-hydrate (USP-NF) low endotoxin pure, pharma grade

Sodium Hyaluronate, Eye Drop Grade, Ph. Eur. (Registered with CDSCO)

Sodium Hyaluronate, Injection Grade, Ph. Eur. (Registered with CDSCO)

Sodium Hydroxide Pellets, USP, Ph. Eur., BP (BET/MLT Tested)

Sodium Hydrogen Carbonate (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

di-Sodium Hydrogen Phosphate anhydrous (USP, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

di-Sodium Hydrogen Phosphate 2-hydrate (USP, Ph. Eur., BP) low in endotoxins pure, pharma grade

di-Sodium Hydrogen Phosphate 12-hydrate (USP, Ph. Eur., BP) low endotoxin pure, pharma grade

Sodium di-Hydrogen Phosphate anhydrous (USP) low endotoxin, pharma grade

Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade

Sodium di-Hydrogen Phosphate 2-hydrate (USP, Ph. Eur., BP) pharma grade (Endotoxin Tested)

Sodium Oleate, Pharma Grade

Sodium Pyruvate USP-NF, BET, TAMC, TYMC

Sodium Selenite anhydrous (Ph. Eur., BP) pharma grade

Sodium Sulfite Anhydrous Ph.Eur. (tested for BET/MLT)

di-Sodium tetra-Borate 10-hydrate (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)

Sodium Thiosulphate Pentahydrate USP-NF, Ph.Eur., BP, BET, TAMC, TYMC

Sorbitol USP, Ph.Eur. (tested for BET/MLT)

Soyabean Oil, Refined Ph.Eur., BP (tested for BET/MLT)

Soyabean Phospholipid With 94% Phosphatidylcholine

Soyabean Phospholipid With 98% Phosphatidylcholine

Spermine BioChemica

PRODUCT LIST A-Z

Spermine Tetrahydrochloride BioChemica
Succinic Acid USP-NF, BET, TAMC, TYMC
D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low endotoxin, IPEC grade
Sucrose Octasulfate Potassium Salt, Micronized

T

Thiamin Hydrochloride BioChemica
L-Threonine (Ph. Eur., USP) pure, pharma grade
D(+)-Trehalose 2-hydrate BioChemica
tri(ethylene glycol) poly(ortho ester) polymer (TEG-POE)
Tris (USP, BP, Ph. Eur.) low endotoxin pure, pharma grade (base)
Tris Hydrochloride low endotoxin, pharma grade
Bis-Tris for buffer solutions
Triton X-100 replacement (ECOSURF EH-9)
Triton X-100 replacement (ECOSURF SA-9)
Triton X-100 replacement (TERGITOL 15-S-9)
Trypsin from bovine pancreas
Tryptone Soy Agar (TSA) (Ph. Eur., USP, ISO) (Dehydrated Culture Media) for microbiology
L-Tryptophan (Ph. Eur., USP) pure, pharma grade
Tween 20 (USP-NF, Ph. Eur., BP) pure, pharma grade (Endotoxin Tested)
Tyloxapol, USP (BET/MLT Tested)
L-Tyrosine (Ph. Eur., USP) pure, pharma grade

U

Urea crystalline (USP, BP, Ph. Eur.) pharma grade
Uridine BioChemica

V

L-Valine (Ph. Eur., USP) pure, pharma grade
Vitamin B12 (Ph. Eur.) pure, pharma grade
Vitamin E-TPGS (USP) (A-Tocopherol Polyethylene Glycol Succinate)

Y

Yeast extract BioChemica

SODIUM Hydroxide PELLETS

USP, BP, EP (Tested for BET/MLT)

CODE

S222

CAS

1310-73-2

ASSAY

97.0-100.5%

Product Attributes

- Exclusively Manufactured in India
- Suitable for Biopharmaceutical Production
- Certifications Available - WHO-GMP, FDA Certified, CTD
- Multiple Grades i.e. Parenteral, Multicompendial, IP etc.
- Multiple Pack Sizes available– **500 Gm, 5 Kg, 25 Kg**

**READY
STOCK!**





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