

High Purity, Low Endotoxin, Low Metals, GMP Injectable grade Critical Ingredients

Suitable for Biopharmaceutical and Pharmaceutical Drug Formulation and Bio-Production

Product	CAS #	Product Code	Monograph Classification
a,a-Trehalose Dihydrate	6138-23-4	T-104-4	NF, EP, JP, ChP
a,a-Trehalose Dihydrate, Inhalation grade	6138-23-4	T-104-4-IG	NF, EP, JP, ChP
a,a-Trehalose Dihydrate, Low glucose	6138-23-4	T-104-4-LG	NF, EP, JP, ChP
Sucrose (Beet Derived)	57-50-1	S-124-2-MC	NF, EP, JP, ChP
Sucrose (Cane Derived)	57-50-1	S-124-1-MC	NF, EP, JP, ChP, BP
Galactose (Plant Derived)	59-23-8	G-126-3	NF, EP, BP
Sodium Succinate Hexahydrate	6106-21-4	D-161	NF, JPE
NEW Succinic acid	110-15-6	S-142	NF, EP, BP, JP, ChP
TRIS base	77-86-1	T-153	USP, EP, BP, ChP
TRIS HCl	1185-53-1	T-154	Sponsoring USP Monograph
D-Glucose	50-99-7	G-139	USP, EP, BP, JP, ChP
D-Mannitol	69-65-8	M-109-7	USP, EP, JP, ChP
D-Mannose	3458-28-4	M-164-2	
Maltose (Monohydrate)	6363-53-7	M-167	NF, JP, ChP
NEW Glycine	56-40-6	G-140	USP, EP, BP, JP, ChP
L-Arginine	74-79-3	A-170	USP, EP, JP, ChP
L-Arginine Hydrochloride	1119-34-2	A-171	USP, EP, JP, ChP
NEW L-Arginine L-Glutamate	4320-30-3	A-172	
L-Histidine	71-00-1	H-116	USP, EP, JP, ChP, BP
L-Histidine Hydrochloride Monohydrate	5934-29-2	H-117	EP, JP, ChP, BP
L-Glutamine	56-85-9	G-137	USP, JP, ChP
L-Methionine	63-68-3	M-168	USP, EP, BP, JP, ChP
Methotrexate (Powder)	59-05-2	M-166	USP, EP, BP, JP, ChP
Methotrexate (Sterile solution)	59-05-2	M-166-S	Tested to the quality standards of USP and BP
Ammonium Lactate (Pharmaceutical Grade)	515-98-0	A-152-1	
Sodium DL-Lactate Solution 60%, USP	72-17-3	S-110	USP
Sodium Gluconate	527-07-1	S-108	USP

Package size: 1 kg, 5 kg, 10 kg, 25 kg and 50 kg
Development Sample (100 g) are Available.

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HPLE-LM™ Buffers Selection Guide

High Purity, Low Endotoxin, Low Metals (HPLE-LM™) Buffer Components

Product	CAS No.	Product Code	Monograph Classification
Glycine	56-40-6	G-140	USP, EP, BP, JP, ChP
Sodium Succinate Hexahydrate	6106-21-4	D-161	NF, JPE
Succinic Acid	110-15-6	S-142	NF, EP, BP, JPE, ChP
L-Histidine	71-00-1	H-116	USP, EP, BP, JP, ChP
L-Histidine Hydrochloride	5934-29-2	H-117	BP, EP, JP, ChP
L-Arginine	74-79-3	A-170	USP, EP, JP, ChP
L-Arginine Hydrochloride	1119-34-2	A-171	USP, EP, JP, ChP
L-Arginine L-Glutamate	4320-30-3	A-172	
Tris Base	77-86-1	T-153	USP, EP, BP, ChP
Tris Hydrochloride	1185-53-1	T-154	Sponsoring USP Monograph

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