

Pharmaceutical Industry

Biopharmaceutical Offering

DKSH offers a range of products for use at every stage of the biopharmaceutical production process, from **upstream** to **downstream** and formulation.



Amino Acids



Biological Buffers



Growth Factors



Minerals & Nutrients



Carbohydrates



Peptones & Yeast Extract



DKSH

Product	Grade	cGMP	Endotoxin Tested	CAS No.
Amino Acids / Derivatives Overview				
L-2-Aminobutyric Acid	Multi-Compendial	Yes	Yes / No	1492-24-6
L-Alanyl-L-Glutamine/ H-Ala-Gln-OH	technical standard	No	Yes / No	39537-23-0
L-Alanine/ H-Ala-OH	Multi-Compendial	Yes	Yes / No	56-41-7
L-Arginine HCl/ H-Arg-OH.HCl	Multi-Compendial	Yes	Yes / No	1119-34-2
L-Asparagine/ H-Asn-OH	Multi-Compendial	Yes	Yes / No	70-47-3
L-Cystine/ H-Cys-OH	Multi-Compendial	Yes	Yes / No	56-89-3
L-Cystine Dihydrochloride/ H-Cys-OH.2HCl	Multi-Compendial	Yes	Yes / No	30925-07-6
L-Glutathione (reduced)	Multi-Compendial	Yes	Yes / No	70-18-8
L-Glutamic Acid/ H-Glu-OH	Multi-Compendial	Yes	Yes / No	56-86-0
L-Glutamic Acid Monopotassium Monohydrate	Multi-Compendial	Yes	Yes / No	6382-01-0
L-Glutamic Acid Monosodium Salt Anhydrous	Multi-Compendial	Yes	Yes / No	142-47-2
L-Glutamine/ H-Gln-OH	Multi-Compendial	Yes	Yes / No	56-85-9
L-Histidine	Multi-Compendial	Yes	Yes / No	71-00-1
L-Histidine HCl	Multi-Compendial	Yes	Yes / No	5934-29-2
L-Leucine	Multi-Compendial	Yes	Yes / No	61-90-5
L-Lysine/ H-Lys-OH	Multi-Compendial	Yes	Yes / No	56-87-1
L-Lysine monohydrate/ H-Lys-OH	Multi-Compendial	Yes	Yes / No	39665-12-8
L-Malic Acid	Multi-Compendial	Yes	Yes / No	97-67-6
L-Ornithine HCl	Multi-Compendial	Yes	Yes / No	3184-13-2
L-Proline	Multi-Compendial	Yes	Yes / No	147-85-3
L-Taurine	Multi-Compendial	Yes	Yes / No	107-35-7
L-Tyrosine Disodium Salt Dihydrate/ H-Tyr-OH.2Na+.2H2O	technical standard	Yes	Yes / No	122666-87-9
L-Tyrosine Disodium Salt Hydrate/ H-Tyr-OH.2Na+ H2O	technical standard	Yes	Yes / No	69847-45-6
N-Acetyl-DL-Tryptophan	Multi-Compendial	No	Yes / No	87-32-1
Biological Buffers				
BIS-TRIS	Biopharma grade	Yes	No	6976-37-0
HEPES, Free Acid	Biopharma grade	Yes	No	7365-45-9
HEPES, Sodium Salt	Bio ultra grade	No	Yes	75277-39-3
MES, Monohydrate	Biopharma grade	Yes	No	145224-94-8
MES, Sodium Salt	Bio ultra grade	No	No	71119-23-8
MOPS, Free Acid	Biopharma grade	Yes	No	1132-61-2
TRIS Hydrochloride	Biopharma grade	Yes	No	1185-53-1
Tromethamine (TRIS Base)	Biopharma grade	Yes	No	77-86-1
Minerals & Nutrients				
Ammonium Sulfate	Multi-Compendial	Yes	Yes / No	7783-20-2
Calcium Chloride Anhydrous	Multi-Compendial	Yes	Yes / No	10043-52-4
Citric Acid, Anhydrous	Multi-Compendial	Yes	Yes / No	77-92-9
EDTA Disodium 2H2O	Multi-Compendial	Yes	Yes / No	6381-92-6
Ferric (III) Citrate Anhydrous	Multi-Compendial	Yes	Yes / No	3522-50-7
Iron (III) Citrate hydrate	Multi-Compendial	Yes	Yes / No	207399-12-0
Magnesium Sulfate, Anhydrous	Multi-Compendial	Yes	Yes / No	7487-88-9

Product	Grade	cGMP	Endotoxin Tested	CAS No.
Minerals & Nutrients				
Magnesium Sulfate Heptahydrate	Multi-Compendial	Yes	Yes / No	10034-99
Potassium Iodide	Multi-Compendial	Yes	Yes / No	7681-11-0
Potassium Phosphate Monobasic	Multi-Compendial	Yes	Yes / No	7778-77-0
Pyridoxine Hydrochloride	Multi-Compendial	Yes	Yes / No	58-56-0
Sodium Acetate, Anhydrous	Multi-Compendial	Yes	Yes/ No	127-09-3
Sodium Acetate Trihydrate	Multi-Compendial	Yes	Yes/ No	6131-90-4
Sodium Chloride	Multi-Compendial	Yes	Yes/ No	7647-14-5
Sodium Citrate Dihydrate	Multi-Compendial	Yes	Yes/ No	6132-04-3
Sodium Hydroxide	Multi-Compendial	No	Yes/ No	1310-73-2
Sodium Phosphate Monobasic Monohydrate	Multi-Compendial	Yes	Yes/ No	10049-21-5
Sodium Phosphate Dibasic, Anhydrous	Multi-Compendial	Yes	Yes/ No	7558-79-4
Sodium Phosphate Dibasic Dodecahydrate	Multi-Compendial	Yes	Yes/ No	10039-32-4
Sodium Phosphate Dibasic Heptahydrate	Multi-Compendial	Yes	Yes/ No	7782-85-6
Sodium Phosphate Tribasic Dodecahydrate	Multi-Compendial	Yes	Yes/ No	10101-89-0
Zinc Sulfate monohydrate	Multi-Compendial	Yes	Yes/ No	7446-19-7
Carbohydrate				
Dextrose, Anhydrous (D-Glucose)	Multi-Compendial	Yes	Yes	50-99-7
Dextrose, Monohydrate (D-Glucose)	Multi-Compendial	Yes	Yes	50-99-7
D-Galactose, Milk Derived	Multi-Compendial	Yes	Yes	59-23-4
D-Galactose, Plant Derived	Multi-Compendial	Yes	Yes	59-23-4
D-Mannose	Multi-Compendial	Yes	Yes	3458-28-4
Maltitol	Multi-Compendial	Yes	Yes	585-88-6
Maltose Monohydrate	Multi-Compendial	Yes	Yes	6363-53-7
Sorbitol	Multi-Compendial	Yes	Yes	50-70-4
Sucrose, Plant Derived	Multi-Compendial	Yes	Yes	57-50-1
Sucrose	Multi-Compendial	Yes	Yes	57-50-1
Trehalose Dihydrate	Multi-Compendial	Yes	Yes	6138-23-4

Product	Grade	Endotoxin Tested	Packaging
Protein Hydrolysates & Yeast Extract			
C-Cell Peptones	Multi-Compendial	Yes/ No	5, 25 kg and custom bulk
Casein Peptones	Multi-Compendial	Yes/ No	5, 25 kg and custom bulk
Gelatine Peptones	Multi-Compendial	Yes/ No	5, 25 kg and custom bulk
Meat Peptones	Multi-Compendial	Yes/ No	5, 25 kg and custom bulk
Vegetable Peptones	Multi-Compendial	Yes/ No	5, 25 kg and custom bulk
Yeast & Malt Extract	Multi-Compendial	Yes/ No	5, 25 kg and custom bulk
Growth Factors			
CellRx Short™ AE-IGF-1	Multi-Compendial	Yes/ No	100µg, 1mg, 100mg, 500mg and custom bulk

Please note, further products available upon request.

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