

Calcium chloride, dihydrate CAS 10035-04-8

	Risk	36	EINECS	233-140-8
	Safety	22, 24		
	First aid	Std.		
	Spillage	F		
	Disposal	1		

Calcium chloride dihydrate white crystals or powder, Molecular Biology grade

Suitable for use in the preparation of buffer solutions. 32

Catalogue No	Quantity
BPE510-100	100g
BPE510-250	250g
BPE510-500	500g

Product specification

Assay	≥99% to 103.3%
pH (5% solution in H ₂ O at 25°C)	4.5 to 8.5
DNase	Not detected
RNase	Not detected
Protease	Not detected

Calcium hydrogen orthophosphate CAS 7757-93-9

First aid	Std.	EINECS	231-826-1
Fire	W, P, C, F		
Spillage	C, K, H		

Calcium hydrogen orthophosphate anhydrous White powder (Calcium phosphate dibasic)

Used for column chromatography of proteins. 32

Catalogue No	Quantity
BPE441-500	500g

CaHPO₄ M.W. 136.06

Product specification

Assay (as Ca)	30.0-31.7%
Arsenic	≤8ppm
Barium Chloride	To pass test
Fluoride	≤0.25%
Heavy metals (as Pb)	≤0.005%
Loss on ignition	≤0.003%
Sulfate	6.6-8.5%
	≤0.5%

Calcium ionophore CAS 52665-69-7

Risk	20/21/22	EINECS	258-084-1
Safety	36/37		
First aid	Std.		
Fire	W, P, C, F		
Spillage	K, H		
Storage	-20°C		

Calcium ionophore A23187, free acid (Calcimycin)

This widely used ionophore increases the permeability of biological membranes for bivalent cations. Isolated from *Streptomyces chartreusensis*. 32

Catalogue No	Quantity
BPE595-1	1mg
BPE595-5	5mg
BPE595-10	10mg

C₂₈H₃₇N₃O₈ M.W. 523.6

Product specification

Assay (TLC, Ethylacetate:toluene (1:1))	≥98%
Melting point	186°C to 192°C
Optical rotation [α] _D ²⁰ (c=1%, CHCl ₃)	-50.0° ±3°
Carbon	66.52% ±1%
Hydrogen	7.12% ±0.2%
Nitrogen	8.02% ±0.2%
Solubility (in DMSO, Ethylacetate, Methanol, and Chloroform)	To pass test

CAPS CAS 1135-40-6

	Risk	22, 36/37/38
	Safety	26
	First aid	Std.
	Fire	W, P, C, F
	Spillage	C, K, H
	Storage	Cool, dry

CAPS white fine crystals, (3-Cyclohexylamino-1-propane sulfonic acid)

This biological buffer has a usable pH range of 9.7 to 11.1. 32

Catalogue No	Quantity
BPE321-100	100g
BPE321-500	500g

C₉H₁₁NH(CH₂)₃SO₃H; C₉H₁₉NO₃S M.W. 221.32

Product specification

Assay	≥98%
IR	Conforms to standard
pKa at 25°C	10.4 ±0.2