

Product Data Sheet

>98% Calcium Lactobionate Monohydrate

Product Code: CA-OMX-018

Formula: $C_{12}H_{21}O_{12} \cdot 0.5Ca \cdot H_2O$

CAS No.: 110638-68-1

EC No.: 225-668-2

MDL: MFCD10567434

Chemical Identifiers

Linear Formula	$C_{12}H_{21}O_{12} \cdot 0.5Ca \cdot H_2O$
MDL Number	MFCD10567434
EC No.	225-668-2
Pubchem CID	16219564
IUPAC Name	calcium; (2R,3R,4R,5R)-2,3,5,6-tetrahydroxy-4-[(2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyhexanoate; hydrate
SMILES	<chem>C(C1C(C(C(C(O1)OC(C(CO)O)C(C(C(=O)[O-])O)O)O)O)O)O.C(C1C(C(C(C(O1)OC(C(CO)O)C(C(C(=O)[O-])O)O)O)O)O)O.O.[Ca+2]</chem>
Inchi Identifier	InChI=1S/2C12H22O12.Ca.H2O/c2*13-1-3(15)10(7(18)8(19)11(21)22)24-12-9(20)6(17)5(16)4(2-14)23-12;;/h2*3-10,12-20H,1-2H2,(H,21,22);;1H2/q;+2;/p-2/t2*3-,4-,5+,6+,7-,8-,9-,10-,12+;;/m11../s1
Inchi Key	LIUNXXYNUIALAY-BSLBODANSA-L

Total Metal Impurities: 2.0% max.

Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

Documentation

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.