

Product Specification

Calcium Lactate Gluconate 13

Food and Pharmaceutical Grade

Composition	Calcium Lactate	Calcium Gluconate	$(C_3H_5O_3)_2Ca + (C_6H_{11}O_7)_2Ca$
EC No.	212-406-7	206-075-8	
CAS No.	814-80-2	18016-24-5	
E-No.	E 327	E 578	
Synonym	Calcium Lactogluconate		
Characteristics	White to off-white crystalline or granular powder		

Characteristics	conforms
Identification	conforms
Calcium content	12.4 - 13.2 %
Loss on drying	max. 10.0 %
Acidity (as lactic acid)	max. 0.45 %
Volatile fatty acids	conforms
Heavy metals as lead	max. 10 mg/kg
Magnesium and alkali salts	max. 0.5 %
Organic volatile impurities	conforms
Fluoride	max. 15 mg/kg
pH value (10% solution)	6.0 - 8.0
Arsenic	max. 1.5 mg/kg
Lead	max. 1 mg/kg
Mercury	max. 1 mg/kg
Sucrose and reducing substances	conforms

We herewith confirm that - except for assay - purity meets the requirements of the monographs for Calcium Gluconate and Calcium Lactate of the latest edition of the United States Pharmacopoeia (USP), the Food Chemicals Codex (FCC) and of Commission Directive 2008/84/EC. All analytical methods are in accordance with the latest requirements of the USP, the FCC or equivalent methods. Test methods are available on request.