



Specification

Concerning Product:	
Article number	66905235CPUL
Trade name / designation / denomination	Calciumgluconat Monohydrat, USP, FCC, E
CAS number	66905-23-5
Other names / synonyms	•Calcium gluconate monohydrate; •Calcium gluconate monohydrate injectable;

Parameter	Specification	Unit
Organoleptic test		
Appearance	white, fine powder	
Flavor and taste	characteristic	
Odour	odorous	
Physical parameter		
Loss on drying	≤ 2,0	%
Molar mass	≤ 448,39	g/mol
pH value	5% solution 6,0 – 8,0	%
Reducing substances	≤ 1,0	%
Solubility	in Water: soluble, in ethanol insoluble	
Identity		
Assay	≥ 98,5	%
Identification	A, B: complies	
Impurities		
Heavy Metals (as Pb)	≤ 20	ppm
Oxalate (as anhydrous Oxalic Acid)	≤ 0,01	%
Phosphate (PO ₄)	≤ 0,01	%
Sulphates (SO ₄)	≤ 0,05	%
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Chlorides (Cl)	≤ 0,07	%
Iron (Fe)	≤ 5	ppm
Lead (Pb)	≤ 2	ppm
Microbiological data		
Escherichia Coli.	negative	
Salmonella	negative	
Staphylococcus Aureus	negative	
Total Plate Count	≤ 10000	KBE/g
Yeast and Mould	≤ 1000	KBE/g
Particle size distribution		
Particles	< 80 Mesh ≤ 100	%

Supplemental information:

Complies with monographie: USP, FCC, E 578

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 13. Mar. 2020

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