



# Specification

1.01867.0001 CALCIUM CHLORIDE DIHYDRATE cryst., Ph Eur,JP,USP,FCC,E 509

Spec. Values		
Appearance	passes test	
Assay (complexometric)	99.0 - 103.0	%
Identity	passes test	
Appearance of solution (10 %; water)	passes test	
Acidity or alkalinity	passes test	
pH-value (5 %; water)	4.5 - 9.2	
Fluoride (F)	≤ 0.004	%
Hypochlorite (ClO)	passes test	
Sulfate (SO <sub>4</sub> )	≤ 0.024	%
Heavy metals (as Pb)	≤ 0.0005	%
Al (Aluminium)	≤ 0.00002	%
As (Arsenic)	≤ 0.0002	%
Ba (Barium)	passes test	
Fe (Iron)	≤ 0.0010	%
Hg (Mercury)	≤ 0.0001	%
Pb (Lead)	≤ 0.0002	%
Magnesium and alkali metals	≤ 0.5	%
Substances precipitated by ammonia (Al,Fe, PO <sub>4</sub> )	passes test	
Residual solvents (Ph Eur/USP/ICH)	excluded by manufacturing process	

Elemental impurity specifications have been set considering ICH Q3D (Guideline for Elemental Impurities). Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit, unless specified and indicated (\*).

Corresponds to Ph.Eur., JP, USP, FCC, E509

Conforms to the purity criteria on food additives according to the current European Commission Regulation.

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Responsible laboratory manager quality control

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