



Specification

Concerning Product:	
Article number	10035048LPE
Trade name / designation / denomination	Calciumchlorid 2-Hydrat, kristallin, EP Dihydrat
CAS number	10035-04-8
Other names / synonyms	•CALCIUM CHLORIDE; •CALCIUM CHLORIDE DIHYDRATE, ACS; •CALCIUM CHLORIDE, DIHYDRATE, U.S.P.; •Calcium Chloride, Dihydrate, BiotechGrade; •Calcium Chloride, Dihydrate, FCC; •Calcium Chloride, Dihydrate, Reagent, ACS; •Calcium Chloride, Dihydrate, Technical; •Calcium Chloride, Dihydrate, USP, EP, BP, JP; •Calcium chloride; •Calcium chloride (CaCl ₂), dihydrate;
EC number	233-140-8
EC index number	017-013-00-2
Customs tariff number / CN code / TARIC	28272000
Molecular weight [g / mol]	142.983
Formula	CaCl ₂ H ₄ O ₂
Causes serious eye irritation. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.	

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear and < Y6	
Colour	white	
Physical parameter		
Acidity/Alkalinity	complies	
Form	crystalline powder	
Identity		
Assay	97,0 – 103,0	%
Identification	A (Chloride): positive	
Identification	B (Calcium): positive	
Identification	C (Assay): complies	
Impurities		
Heavy Metals (as Pb)	≤ 20	ppm
Sulphates (SO ₄)	≤ 0,03	%
Residual Solvents		
Residual solvents	During manufacturing, production, filling and storage the product does not come into contact with the organic solvents mentioned in Ph.Eur. (ICH 283/95) ("Residual Solvents").	
Elemental Impurities		
Aluminium (Al)	complies	
Barium (Ba)	complies	
Iron (Fe)	≤ 10	ppm
Magnesium (Mg)	& Alkalimetals: ≤ 0,5	%

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 13. Sep. 2021

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