



Specification

Concerning Product:	
Article number	7791186V01
Trade name / designation / denomination	Magnesiumchlorid 6-hydrat, Pharma/Food
CAS number	7791-18-6
Other names / synonyms	•Magnesium chloride (MgCl ₂), hexahydrate; •Magnesium chloride hexahydrate;
EC number	616-575-1 232-094-6
Customs tariff number / CN code / TARIC	28273100
Molecular weight [g / mol]	95,21
Formula	MgCl ₂ Cl ₂ Mg

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	10% in Water: clear and colourless	
Appearance	White crystals	
Physical parameter		
Acidity/Alkalinity	(0,01M HCL/0,5g): ≤ 0,3	ml
Acidity/Alkalinity	(0.01M NaOH/0,5g): ≤ 0,3	ml
Water content	(Karl Fischer): 51,0 – 55,0	%
pH value	5% 4,5 – 7,0	
Identity		
Assay	99,0 – 101,0	%
Identification	complies	
Impurities		
Ammonium	≤ 50	mg/kg
Heavy Metals (as Pb)	≤ 10	mg/kg
Insoluble impurities	(water): ≤ 0,005	%
Sulphates (SO ₄)	≤ 50	mg/kg
Elemental Impurities		
Aluminium (Al)	≤ 1	mg/kg
Arsenic (As)	≤ 2	mg/kg
Barium (Ba)	complies	
Bromine (Br)	≤ 500	mg/kg
Calcium (Ca)	≤ 100	mg/kg
Cadmium (Cd)	≤ 1	mg/kg
Iron (Fe)	≤ 10	mg/kg
Mercury (Hg)	≤ 1	mg/kg
Potassium (K)	≤ 500	mg/kg
Lead (Pb)	≤ 2	mg/kg

Supplemental information:

Shelf life: 3 years from the date of manufacture

Storage conditions: Store tightly closed in original packaging in a dry place. Protect from moisture.

Complies with monograph: EP/USP/FCC/E 511

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 29. Sep. 2025

LF-Basis: 1 (2024-10-16)

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