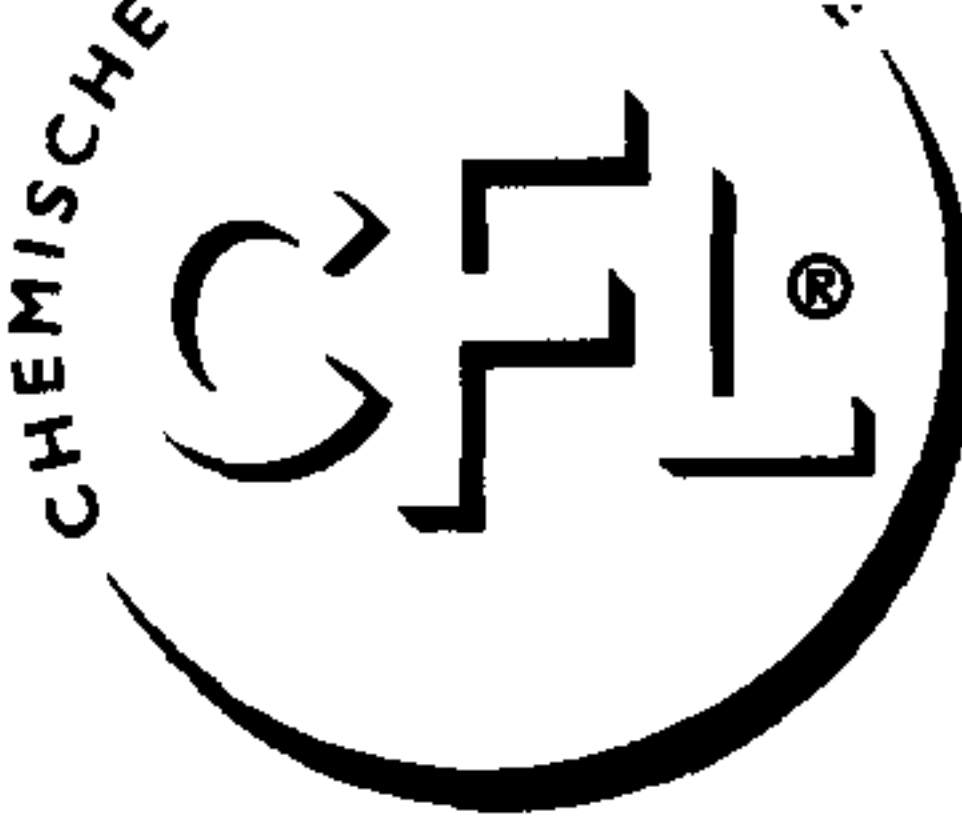




Certificate of Analysis

Date of print 2021-10-14

302076 Magnesium Chloride-6-hydrate chem. pure, cryst.,
Ph. Eur., USP, FCC, E 511

Batch 0000000205

	Specification	Batch values
Appearance	white crystals	white crystals
Identity	passes test	passes test
Appearance of solution (10%; water)	clear and colourless	clear and colourless
Assay (MgCl ₂ ·6H ₂ O)	99,0 - 101,0 %	100,7 %
Water (according to Karl Fischer)	51,0 - 55,0 %	54,2 %
pH value (5%)	4,5 - 7,0	5,7
Acidity (0,01 M NaOH/0,5g)	≤ 0,30 ml	0,05 ml
Alkalinity (0,01 M HCl/0,5g)	≤ 0,30 ml	0,05 ml
Insoluble matter (water)	≤ 0,005 %	< 0,005 %
Barium	passes test	passes test
Ammonium (NH ₄)	≤ 50,0 mg/kg	< 20,0 mg/kg
Calcium (Ca)	≤ 100,0 mg/kg	< 10,0 mg/kg
Bromide (Br)	≤ 500,0 mg/kg	< 20,0 mg/kg
Potassium (K)	≤ 500,0 mg/kg	< 1,0 mg/kg
Sulphate (SO ₄)	≤ 50,0 mg/kg	< 5,0 mg/kg
Aluminium (Al)	≤ 1,0 mg/kg	< 0,5 mg/kg
Iron (Fe)	≤ 10,0 mg/kg	< 0,5 mg/kg
Heavy metals (as Pb)	≤ 10,0 mg/kg	< 2,0 mg/kg
Arsenic (As)	≤ 2,0 mg/kg	< 0,5 mg/kg
Lead (Pb)	≤ 2,0 mg/kg	< 0,5 mg/kg
Mercury (Hg)	≤ 1,0 mg/kg	< 0,5 mg/kg
Cadmium (Cd)	≤ 1,0 mg/kg	< 0,5 mg/kg

SEIT 1888



Certificate of Analysis

Date of print 2021-10-14

302076	Magnesium Chloride-6-hydrate chem. pure, cryst., Ph. Eur., USP, FCC, E 511
Batch	0000000205

Specification

Batch values

This product complies to the requirements according to ICH Guideline Impurities: "Residual solvents" (CPMP/ICH/283/95) – Ph. Eur. and/or USP.

Date of examination (yyyy-mm-dd): 2021-09-16

Minimum shelf life (yyyy-mm-dd): 2024-08-31

Dr. Annika Arndt

responsible laboratory manager quality control

This document has been produced electronically and is valid without a signature.

SEIT 1888