



Specification

1.05833.0250 Magnesium chloride hexahydrate for analysis EMSURE® ACS,ISO,
Reag. Ph Eur

	Spec. Values	
Assay (complexometric)	99.0 - 101.0	%
Identity	conforms	
Appearance of solution	passes test	
Insoluble matter	≤ 0.005	%
pH-value (5 %; water)	5.0 - 6.5	
Acidity or alkalinity	passes test	
Bromide (Br)	≤ 0.05	%
Nitrate (NO ₃)	≤ 0.001	%
Phosphate (PO ₄)	≤ 5	ppm
Sulfate (SO ₄)	≤ 0.002	%
Total nitrogen (N)	≤ 0.0002	%
Heavy metals (ACS)	≤ 5	ppm
Heavy metals (as Pb)	≤ 0.0005	%
Al (Aluminium)	≤ 0.0002	%
As (Arsenic)	≤ 0.0002	%
Ba (Barium)	≤ 0.002	%
Ca (Calcium)	≤ 0.003	%
Cu (Copper)	≤ 0.0005	%
Fe (Iron)	≤ 5	ppm
K (Potassium)	≤ 0.001	%
Mn (Manganese)	≤ 5	ppm
Na (Sodium)	≤ 0.001	%
NH ₄ (Ammonium)	≤ 0.002	%
Pb (Lead)	≤ 0.0005	%
Sr (Strontium)	≤ 0.005	%
Water	51.0 - 55.0	%

Corresponds to ACS, ISO, Reag. Ph Eur

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Responsible laboratory manager quality control

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