Specification

1.05886.0000 Magnesium sulfate heptahydrate for analysis EMSURE® ACS,Reag. Ph Eur

	Spec. Values	
Assay (complexometric)	≥ 99.5	%
Assay (compl.; calc. on dried substance)	99.0 - 100.5	%
Identity	passes test	
Appearance of solution	passes test	
Insoluble matter	≤ 0.005	%
Acidity or alkalinity	passes test	
pH-value (5 %; water, 25 °C)	5.0 - 8.0	
Chloride (Cl)	≤ 0.0003	%
Total nitrogen (N)	≤ 0.002	%
Nitrate (NO_3)	≤ 0.002	%
Heavy metals (ACS)	≤ 0.0005	%
As (Arsenic)	≤ 0.0002	%
Ca (Calcium)	≤ 0.005	%
Cu (Copper)	≤ 0.0001	%
Fe (Iron)	≤ 0.0001	%
K (Potassium)	≤ 0.001	%
Mn (Manganese)	≤ 0.0005	%
Na (Sodium)	≤ 0.001	%
NH_4 (Ammonium)	≤ 0.002	%
Pb (Lead)	≤ 0.0001	%
Sr (Strontium)	≤ 0.005	%
Loss on drying (400 °C)	48.0 - 52.0	%

Corresponds to ACS, Reag. Ph Eur

Kristin Starke
Responsible laboratory manager quality control

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