



SPECIFICATION SHEET

Product Name	:	Magnesium sulfate heptahydrate, For analysis ACS, Reag. Ph Eur
Product Number	:	946.016
Brand	:	ISOLAB
CAS Number	:	10034-99-8
Formula	:	MgO ₄ S * 7 H ₂ O
Formula Weight	:	246.48 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay (complexometric)	≥ 99.5 %	%
Assay (complexometric; calc. on dried substance)	99.0 - 100.5 %	%
Identification	passes test	
Appearance of solution	passes test	
Insoluble matter	0.005 %	%
Acidity or alkalinity	passes test	
pH-value (5%; water)	5.0 - 8.0	
Chloride (Cl)	≤ 0.0003 %	%
Total nitrogen (N)	≤ 0.002 %	%
Nitrate (NO ₃)	≤ 0.002 %	%
Heavy metals (as Pb)	≤ 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 %	%

Quality Management
Isolab Laborgerate GmbH

