



Certificate of Analysis

1.02786

Manganese(II) sulfate tetrahydrate for analysis
EMSURE®

	Spec. Values		Batch Values	
Assay (complexometric)	≥ 98.5	%	99.5	%
pH-value (5 %; water)	4.5 - 6.0		5.5	
Chloride (Cl)	≤ 0.001	%	≤ 0.001	%
Ca (Calcium)	≤ 0.005	%	≤ 0.0001	%
Cu (Copper)	≤ 0.0002	%	≤ 0.0002	%
Fe (Iron)	≤ 0.0005	%	≤ 0.0005	%
K (Potassium)	≤ 0.002	%	≤ 0.002	%
Mg (Magnesium)	≤ 0.01	%	≤ 0.01	%
Na (Sodium)	≤ 0.005	%	≤ 0.005	%
Ni (Nickel)	≤ 0.002	%	≤ 0.002	%
Pb (Lead)	≤ 0.0002	%	≤ 0.0002	%
Zn (Zinc)	≤ 0.002	%	≤ 0.002	%
Oxidizing matter	passes test		passes test	
Reducing substances	passes test		passes test	

Dr. Andreas Lang

responsible laboratory manager quality control

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