



# Certificate of Analysis

1.02790.1000 Copper(II) sulfate pentahydrate for analysis EMSURE® ACS,ISO,  
Reag. Ph Eur  
Batch AM1246590

	Spec. Values		Batch Values	
Assay (iodometric)	99.0 - 100.5	%	99.4	%
Insoluble matter	≤ 0.005	%	≤ 0.005	%
Chloride (Cl)	≤ 0.0005	%	≤ 0.0005	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Ca (Calcium)	≤ 0.005	%	≤ 0.005	%
Fe (Iron)	≤ 0.003	%	≤ 0.003	%
K (Potassium)	≤ 0.001	%	≤ 0.001	%
Na (Sodium)	≤ 0.005	%	≤ 0.005	%
Ni (Nickel)	≤ 0.005	%	≤ 0.005	%
Pb (Lead)	≤ 0.005	%	≤ 0.005	%
Zn (Zinc)	≤ 0.03	%	≤ 0.03	%

Corresponds to ACS,ISO,Reag. Ph Eur

Date of release (DD.MM.YYYY) 30.11.2017  
Minimum shelf life (DD.MM.YYYY) 30.11.2022

Claudia Wiegand  
Responsible laboratory manager quality control

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# Certificate of Analysis

1.02790.1000 Copper(II) sulfate pentahydrate for analysis EMSURE® ACS,ISO,  
Reag. Ph Eur  
Batch AM1084890

	Spec. Values		Batch Values	
Assay (iodometric)	99.0 - 100.5	%	99.6	%
Insoluble matter	≤ 0.005	%	≤ 0.005	%
Chloride (Cl)	≤ 0.0005	%	≤ 0.0005	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Ca (Calcium)	≤ 0.005	%	≤ 0.005	%
Fe (Iron)	≤ 0.003	%	≤ 0.003	%
K (Potassium)	≤ 0.001	%	≤ 0.001	%
Na (Sodium)	≤ 0.005	%	≤ 0.005	%
Ni (Nickel)	≤ 0.005	%	≤ 0.005	%
Pb (Lead)	≤ 0.005	%	≤ 0.005	%
Zn (Zinc)	≤ 0.03	%	≤ 0.03	%

Corresponds to ACS,ISO,Reag. Ph Eur

Date of release (DD.MM.YYYY) 07.10.2016  
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