



Specification

1.02788.0750 Copper(II) sulfate pentahydrate powder EMPROVE® ESSENTIAL Ph Eur, BP, USP

	Spec. Values	
Assay (iodometric)	99.0 - 100.5	%
Assay (iodometric, dried substance)	98.5 - 100.5	%
Identity	passes test	
Appearance of solution	passes test	
Chloride (Cl)	≤ 0.0100	%
Ca (Calcium)	≤ 0.005	%
Co (Cobalt) (*)	≤ 0.00005	%
Fe (Iron)	≤ 0.003	%
K (Potassium)	≤ 0.01	%
Na (Sodium)	≤ 0.02	%
Ni (Nickel) (*)	≤ 0.0020	%
Pb (Lead) (*)	≤ 0.0020	%
Residual solvents (ICH Q3C)	excluded by manufacturing process	
Loss on drying (250 °C)	35.0 - 36.5	%
Particle size (< 0,18 mm)	100	%

Elemental impurity specifications have been set considering ICH Q3D (Guideline for Elemental Impurities). Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit, unless specified and indicated (*).

Corresponds to Ph Eur, BP, USP

Claudia Wiegand

Responsible laboratory manager quality control

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