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Specification

Product	Copper(II) sulfate pentahydrate p.A.
Brand	Labochem

Product number	LC-4758
Synonym(s)	Copper monosulfate pentahydrate, Copper vitriol pentahydrate
Formula	$\text{CuSO}_4 \cdot 5 \text{H}_2\text{O}$
Molecular weight	249.68 g/mol
CAS number	7758-99-8
Storage	below 25°C
Retest period	60

Parameter	Specification
Assay (iodometr., dried substance)	99 - 101 %
pH (50 g/l in water, 20°C)	max. 3.8
Insoluble matter in H_2SO_4	max. 0.005 %
Chloride (Cl)	max. 0.001 %
Nitrogen compounds (as N)	max. 0.001 %
As	max. 0.0001 %
Ca	max. 0.05 %
Cd	max. 0.01 %
Co	max. 0.01 %
Cr	max. 0.005 %
Fe	max. 0.03 %
Hg	max. 0.005 %
K	max. 0.01 %
Mg	max. 0.02 %
Mn	max. 0.005 %
Na	max. 0.05 %
Ni	max. 0.05 %
Pb	max. 0.05 %
Si	max. 0.005 %
Sr	max. 0.005 %
Ti	max. 0.005 %
V	max. 0.005 %
Zn	max. 0.3 %

Einhausen, 24.06.2021