

TECHNICAL DATA SHEET

Copper Sulfate Pentahydrate (99.5%)

Product Description

C.A.S.:	7758-99-8
Molecular Formula	CuSO ₄ ·5H ₂ O
Molecular Weight, g/mol	249.68

Item, Unit

Typical

Appearance – <i>Visual</i>	Light Blue Crystals
Appearance of Solution <i>EU Pharmacopea</i>	Clear
Purity (MA-001) Electrodeposition – TG4155.21, Range %	99.0 - 101.0
Loss of drying <i>EU Pharmacopea</i> , Range %	35 - 36.5
pH (5% water solution) (MA-033) – insoluble matter	4
Water Insoluble matter (Ma- 005) – Gravimetric (FAO), %	< 0.005
Substance not precipitated by hydrogen sulphide FGC VII monograph, min. %	0.3
Inorganic impurities (as Fe) – FCC VII Monograph	< 0.01
FE (MA- 202) – ICP-OES, max. mg/Kg	20
Pb (MA-020) – ICP-OES, max. mg/Kg	4
Ni (MA-020) – ICP-OES, max. mg/Kg	2
Zr (MA-020) – ICP-OES, max. mg/Kg	5
As (MA-020) – ICP-OES, max. mg/Kg	1
Cd (MA-020) – ICP-OES, max. mg/Kg	1
Se (MA-020) – ICP-OES, max. mg/Kg	1
Sn (MA-020) – ICP-OES, max. mg/Kg	10
Cl- (MA-020) – ISE titration, max. mg/Kg	100
Hg External analysis, max. mg/Kg	1

Packing

Please contact us for available packing options

