



**ChemPure* Brand
Chemicals**

...Pure Quality

Certificate of Analysis

Product:	Cupric Sulfate Pentahydrate ACS/USP/FCC
Cat:	CP-A1420D/CP-B1420D
Lot:	0125101CP
CAS:	7758-99-8
Molecular Formula:	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Molecular Weight:	249.68
Manufacture Date:	02/11/2019
Retest Date:	02/10/2022

Test		Specification		Result
		Min.	Max.	
Appearance		Deep blue to blue, triclinic crystals		Complies
Assay (on dried basis)		98.0%	102.0%	99.48%
Identification		To pass test		Passes
Loss on drying (3 hrs. @ 105°C)		33.0%	36.5%	34.8%
Insoluble Matter			0.005%	0.003%
Solubility	Freely soluble in water and in glycerin, slightly soluble in alcohol			Conforms
Chloride			0.001%	< 0.001%
Nitrogen compounds			0.002%	< 0.002%
Calcium			0.005%	0.0004%
Nickel			0.005%	0.0028%
Potassium			0.01%	0.0011%
Sodium			0.02%	0.0008%
Iron			0.003%	0.0022%

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