



SPECIFICATIONS
GRADE: USP

PRODUCTS NAME		:	COPPER SULPHATE PENTAHYDRATE USP
CAS NO.		:	7758-99-8
Sr. No.	TEST PARAMETER	SPECIFICATION	
1.	Description	Deep blue, triclinic crystals or blue, crystalline granules or powder.	
2.	Solubility	Very soluble in boiling water; freely soluble in water and in glycerin; slightly soluble in alcohol.	
3.	Identification A Test for Copper Identification B Test for Sulfate	To pass test To Pass Test	
4.	Assay (on the dried basis)	98.5 to 100.5%	
5.	Limit of sodium	NMT 0.02%	
6.	Limit of potassium	NMT 0.01%	
7.	Limit of Calcium	NMT 0.005%	
8.	Limit of Iron	NMT 0.003%	
9.	Limit of Nickel	NMT 0.005%	
10.	Loss on drying (250 °C to constant weight)	33.0 % -36.5 % for the Pentahydrate	