



SPECIFICATIONS
GRADE: EP

PRODUCTS NAME		:	COPPER SULPHATE PENTAHYDRATE EP
CAS NO.		:	7758-99-8
Sr. No.	TEST PARAMETER	SPECIFICATION	
1.	Appearance	Blue, crystalline powder or transparent, blue crystals.	
2.	Solubility	Freely soluble in water, soluble in methanol, practically insoluble in ethanol (96 per cent).	
3.	Identification A A dark blue colour is produced. Identification B Loss on drying (see Tests). Identification C Dilute 1 mL of solution S to 5 mL with water R. The solution gives reaction (a) of sulfates	To pass test To Pass Test To Pass Test	
4.	Appearance of solution	Solution S is clear	
5.	Chlorides	Max. 100 ppm	
6.	Cobalt	Max. 1 ppm	
7.	Lead	Max. 20 ppm	
8.	Nickel	Max. 20 ppm	
9.	Iron	Max. 100 ppm	
10.	Loss on drying (250 °C to constant weight)	35.0 % -36.5 %	
11.	Assay (on the dried basis)	99.0 to 101.0 %	