

5098 – COPPER SULPHATE (PENTA) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5098	STANDARD SPECIFICATION FOR COPPER SULPHATE (PENTA) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: 5098

PRODUCT PROPERTIES

C.A.S Number	7758-98-7
Chemical Formula	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Formula weight	249.68
Functional Uses	Copper Sulphate is used as antimicrobial preservative, colour fixative
Standard Packaging	25 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Deep blue triclinic crystals, or blue, crystalline granules or powder; effloresces slowly in dry air
Solubility	Freely soluble in water; slightly soluble in ethanol
Test for copper	Passes test
Test for sulfate	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH	A solution of the sample is acid to litmus
Acidity	Passes test
Insoluble matter	NMT – 50 mg/kg
Nitrogen compounds	NMT – 10 mg/kg
Alkali and rare earths	NMT – 0.2%
Lead	NMT – 10 mg/Kg
Other metals (as Ni)	NMT – 50 mg/kg
Assay	98.5% – 104.5%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

