



TECHNICAL DATA SHEET

Product	Copper Sulfate Pentahydrate
CAS No.	7758-99-8
M.F.	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
M.W.	250
EINECS	616-477-9
Melting point	110°C
Boiling point	330°C
Description	Deep blue triclinic crystals, or blue crystalline granules or powder, effloresces slowly in dry air.
Solubility	Freely soluble in water, slightly soluble in ethanol.
Identification	Positive test for Copper and for sulfate
Content	98.5% - 104.5%
Acidity	The solution should turn brownish green
pH	A solution of samples is acid to litmus
Insoluble matter	≤ 50 ppm
Nitrogen compounds	≤ 10 ppm
Alkali and rare earths	≤ 0.2 %
Lead	≤ 10 ppm
Other metals (As Ni)	≤ 50 ppm