

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Copper(II) sulfate pentahydrate**
Specifications & Purity: PharmPure™, USP, BP, Ph.Eur., crystalline
SKU # **C774601**

Parameter	Limit Values
Appearance(blue,crystalline)	Pass
Solubility : freely soluble in water, soluble in methanol, practically insoluble in ethanol (96 per cent)	Pass
Assay(Iodometric titration)	99-100.5 (%)
Assay (iodometric)(calc.on anhydrous)	98.5-100.5 (%)
Identity(Loss on drying)	passes test
Identity(EP)(A)	passes test
Identity(sulfates)	Passes test
Appearance of solution	Conforms
Chloride (Cl-)	0-0.01 (%)
Calcium(Ca)	≤ 0.005 (%)
Cobalt (Co)	0-0.0001 (%)
Iron(Fe)	≤ 0.003 (%)
Potassium(K)	0-0.01 (%)
Sodium(Na)	0-0.02 (%)
Nickel(Ni)	0-0.002 (%)
Lead (Pb)	0-0.002 (%)
Residual solvents (ICH (Q3C))excluded by manufacturing process	pass
Loss on drying(250°C)	35-36.5 (%)