

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number	50935
Product	Cupric sulfate pentahydrate, Microbial tested, Aerobic Plate Count: $\leq 10^3$, Yeast and Mold Count: $\leq 10^2$ cfu/g, Total Coliforms: Negative Copper(II) sulfate pentahydrate
CAS Number	7758-99-8
Molecular Formula	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Molecular Weight	249.69
Appearance	Blue powder, agglomerate
Anion	Chloride (Cl ⁻) : ≤ 100 ppm
Cation	Potassium (K) : ≤ 100 ppm, Calcium (Ca) : ≤ 50 ppm Iron (Fe) : ≤ 30 ppm, Sodium (Na) : ≤ 200 ppm Nickel (Ni) : ≤ 20 ppm, Lead (Pb) : ≤ 1.0 ppm Cadmium (Cd) : ≤ 1.0 ppm, Arsenic (As) : ≤ 1.0 ppm Cobalt (Co) : ≤ 1.0 ppm, Mercury (Hg) : ≤ 0.1 ppm
Loss on Drying	35.0% - 36.5%
Residual Solvents	To pass test
Identification	Test for Copper : To pass test Test for Sulfate : To pass test
Substance not precipitated	Substances not precipitated by Hydrogen Sulfide : $\leq 0.3\%$
Microbial test	Aerobic Plate Count : ≤ 1000 cfu/g Yeast and Mold Count : ≤ 100 cfu/g Total Coliforms : Negative
Particle Size	$\geq 95\%$ Mesh Thru 80
Assay	99.0 - 101.0%
Grade	USP/EP/GB Low Heavy Metal powder
Storage	Store at RT

For Laboratory Use Only