

# *Chem-Impex International, Inc.*

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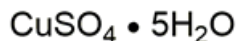
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*



<b>Catalogue Number</b>	36999
<b>Product</b>	<b>Cupric sulfate pentahydrate, Ultra pure, USP,</b> Cupric sulfate pentahydrate, Ultra pure, USP, EP, Crystals, Low Copper(II) sulfate pentahydrate
<b>CAS Number</b>	7758-99-8
<b>Molecular Formula</b>	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
<b>Molecular Weight</b>	249.69

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<b>Synonym 3</b>	Blue Vitriol
<b>Appearance</b>	Blue crystals
<b>Solubility</b>	Clear solution
<b>Anion</b>	Chlorides : $\leq 100$ ppm
<b>Cation</b>	Lead (Pb) : $\leq 1$ ppm Cadmium (Cd) : $\leq 1$ ppm Arsenic (As) : $\leq 1$ ppm Mercury (Hg) : $\leq 0.1$ ppm Sodium (Na) : $\leq 0.02\%$ Potassium (K) : $\leq 0.01\%$ Calcium (Ca) : $\leq 0.005\%$ Iron (Fe) : $\leq 0.003\%$ Nickel (Ni) : $\leq 0.005\%$
<b>Yeast and Mold</b>	$\leq 100$ cfu/g
<b>Loss on Drying</b>	33.0 - 36.5% (USP) 35.0 - 36.5% (EP)
<b>Residual Solvents</b>	Conforms to USP
<b>Coliform Organisms</b>	Negative
<b>Microbial Count</b>	$\leq 1000$ cfu/g (APC)
<b>Assay</b>	98.5 - 100.5% (USP) 99 - 101% (EP) Copper content : 25.0 – 25.6%
<b>Grade</b>	Meets USP/EP specification
<b>Application</b>	Nutrient; dietary supplement

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<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification for Copper , Sulfate : Positive Substances not precipitated by hydrogen sulfide : $\leq 0.3\%$

**For Laboratory Use Only**