

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	36999
<b>Product</b>	<b>Cupric sulfate pentahydrate, Ultra pure, USP,</b>
<b>Lot Number</b>	000514-23022001
	Cupric sulfate pentahydrate, Ultra pure, USP, EP, Crystals, Low Copper(II) sulfate pentahydrate
<b>CAS Number</b>	7758-99-8
<b>Molecular Formula</b>	CuSO <sub>4</sub> ·5H <sub>2</sub> 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 : < 100 ppm
<b>Cation</b>	Lead (Pb) : 0.07 ppm Cadmium (Cd) : 0.01 ppm Arsenic (As) : 0.10 ppm Mercury (Hg) : < 0.1 ppm Sodium (Na) : 2.73 ppm Potassium (K) : 0.0% Calcium (Ca) : 14.10 ppm Iron (Fe) : 13.1 ppm Nickel (Ni) : 0.40 ppm
<b>Yeast and Mold</b>	< 100 cfu/g
<b>Loss on Drying</b>	35.9% (USP) 36.0% (EP)
<b>Residual Solvents</b>	Conforms to USP
<b>Coliform Organisms</b>	Negative
<b>Microbial Count</b>	< 1000 cfu/g (APC)
<b>Assay</b>	99.5% (USP) 100.1% (EP)
<b>Grade</b>	USP/EP
<b>Application</b>	Nutrient; dietary supplement
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification for Copper , Sulfate : Positive Substances not precipitated by hydrogen sulfide : 0.020%

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**