



CERTIFICATE OF ANALYSIS

JOST CHEMICAL

30 YEARS

Product Name: Cupric Sulfate Pentahydrate, USP/EP Crystals
Date: February 24, 2016
Lot Number: 22966204
Date of Manufacture: February 24, 2016
Retest Date: February 24, 2019

	<u>SPECIFICATIONS</u>	<u>ANALYSIS</u>
Identification of Copper (USP)	Positive	Positive
Identification of Sulfate (USP):	Positive	Positive
ID Test A (EP):	Positive	Positive
ID Test C (EP):	Positive	Positive
Assay (USP):	98.5% - 100.5%	99.2 %
Assay (EP):	99.0% - 101.0%	99.4 %
LOD (USP):	33.0% - 36.5%	36.1 %
LOD (EP):	35.0% - 36.5%	36.1 %
Sodium:	0.02% Maximum	0.0002 %
Potassium:	0.01% Maximum	0.0004 %
Calcium:	0.005% Maximum	0.0004 %
Iron:	0.003% Maximum	0.0020 %
Nickel:	0.005% Maximum	0.0001 %
Residual Solvents:	Conforms to USP	Conforms to USP
Lead:	2 ppm Maximum	0.01 ppm
Solution Appearance:	Pass	Pass
Chloride:	100 ppm Maximum	< 100 ppm
<u>Microbial Test Results</u>		
Aerobic Plate Count:	1000 cfu / gram Maximum	< 1000 cfu / gram
Yeast and Mold Count:	100 cfu / gram Maximum	< 100 cfu / gram
Total Coliforms:	Negative	Negative

JOST CHEMICAL CO. / QUALITY DEPARTMENT

