

**NAME AND CODE****Cupric Sulfate Pentahydrate USP/EP Crystals**

Code 2296

CHEMICAL FORMULACuSO₄ · 5 H₂O

Mol. Wt. 249.69

CAS NUMBER

7758-99-8

USE

Nutrient; Dietary Supplement

DESCRIPTION

Blue crystals

CHEMICAL SPECIFICATION**TESTS****SPECIFICATIONS**

| | |
|------------------------|------------------|
| Assay (USP) | 98.5-100.5% |
| Assay (EP) | 99.0 – 101.0% |
| LOD (USP) | 33.0 – 36.5% |
| LOD (EP) | 35.0 – 36.5% |
| Lead | 2 ppm maximum |
| Sodium | 0.02% maximum |
| Potassium | 0.01% maximum |
| Calcium | 0.005% maximum |
| Iron | 0.003% maximum |
| Nickel | 0.005% maximum |
| Chlorides (EP) | 100 ppm maximum |
| Identification | |
| Copper | Positive |
| Sulfate | Positive |
| Residual Solvents | Conforms to USP |
| Appearance of Solution | Clear Solution S |

Microbial Test Results

| | |
|----------------------|-------------------------|
| Aerobic Plate Count | 1000 cfu / gram maximum |
| Yeast and Mold Count | 100 cfu / gram maximum |
| Total Coliforms | Negative |

COPPER CONTENT

25.0 – 25.6 %

CONTAINERS

25 kg. / 55 lb. fiber drums; 25 kg packs EU only

STORAGE

Store in a clean, dry warehouse in the original unopened containers.

REVISION DATE

01/06/10