

**NAME AND CODE****Cupric Sulfate Pentahydrate USP/EP Low HM Powder**

Code 2303

**CHEMICAL FORMULA**CuSO<sub>4</sub> · 5 H<sub>2</sub>O

Mol. Wt. 249.69

**CAS NUMBER**

7758-99-8

**USE**

Nutrient; Dietary Supplement

**DESCRIPTION**

Blue powder

**CHEMICAL SPECIFICATION****TESTS**

Assay (USP)

Assay (EP)

Appearance of Solution

LOD (EP)

LOD (USP)

Lead (Pb)

Cadmium (Cd)

Arsenic (As)

Mercury (Hg)

Chlorides

Sodium

Potassium

Calcium

Iron

Nickel

Identification

Copper

Sulfate

Residual Solvents

Substances not Precipitated by

Hydrogen Sulfide

**SPECIFICATIONS**

98.5-100.5%

99.0 – 101.0%

Clear Solution

35.0 – 36.5%

33.0 -36.5%

1 ppm maximum

1 ppm maximum

1 ppm maximum

0.1 ppm maximum

100 ppm maximum

0.02% maximum

0.01% maximum

0.005% maximum

0.003% maximum

0.005% maximum

Positive

Positive

Conforms to USP

0.3% maximum

**Microbial Test Results**

Aerobic Plate Count

Yeast and Mold Count

Total Coliforms

1000 cfu / gram maximum

100 cfu / gram maximum

Negative

**COPPER CONTENT (TYPICAL)**

25.0 – 25.6 %

**CONTAINERS**

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

**STORAGE**

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

**REVISION DATE**

02/18/13