

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

Code 2302

CHEMICAL FORMULACuSO₄ · 5 H₂O

Mol. Wt. 249.69

CAS NUMBER

7758-99-8

USE

Nutrient; Dietary Supplement

DESCRIPTION

Blue crystals

CHEMICAL SPECIFICATION**TESTS**

Assay (USP)
Assay (EP)
Appearance of Solution
LOD
Lead (Pb)
Cadmium (Cd)
Arsenic (As)
Mercury (Hg)
Chlorides
Sodium
Potassium
Calcium
Iron
Nickel
Identification
 Copper
 Sulfate
Residual Solvents

SPECIFICATIONS

98.5-100.5%
99.0 – 101.0%
Clear Solution S
35.0 – 36.5% maximum
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

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 kilogram packs EU only

STORAGE

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

REVISION DATE

11/29/10