

**NAME AND CODE****Manganese Sulfate Monohydrate USP/EP Fine Powder**

Code 2578

CHEMICAL FORMULA $MnSO_4 \cdot H_2O$

Mol. Wt. 169.01

CAS NUMBER

10034-96-5

USE

Nutrient; Dietary Supplement

DESCRIPTION

Pale pink fine powder

CHEMICAL SPECIFICATION**TESTS****SPECIFICATIONS****Identification:**

Manganese

Positive

Sulfate

Positive

LOI

10.0-12.0%

Appearance of Solution

Pass

Assay USP

98.0-102.0%

Assay EP

99.0 -101.0%

LOI

10.0-12.0%

Heavy Metals

20 ppm maximum

Chlorides

100 ppm maximum

Iron

10 ppm maximum

Zinc

50 ppm maximum

Substances not precipitated

by ammonium sulfide

0.5% maximum

Residual Solvents

Conforms to USP

Microbial Test Results

Aerobic Plate Count

1000 cfu / gram maximum

Yeast and Mold Count

100 cfu / gram maximum

Total Coliforms

Negative

MANGANESE CONTENT

Anhydrous Basis

36.0-36.8 %

Monohydrate Basis (As Is)

32.2-32.8%

CONTAINERS

50 kg. / 110 lb. fiber drums; 25 kilogram packs EU only

STORAGE

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

REVISION DATE

07/08/09