

**NAME AND CODE**

Manganese Sulfate Monohydrate USP, Low HM Fine Granular

Code 2609

CHEMICAL FORMULA

MnSO₄ · H₂O Mol. Wt. 169.01

CAS NUMBER

10034-96-5

USE

Nutrient; Dietary Supplement

DESCRIPTION

Pale pink fine granular product

CHEMICAL SPECIFICATION

TESTS	SPECIFICATIONS
Identification:	
Manganese	Positive
Sulfate	Positive
Assay (as is basis)	98.0-102.0%
LOI	10.0-13.0%
Substances not precipitated by Ammonium Sulfide	0.5% maximum
Residual Solvents	Conforms to USP
Lead (Pb)	1 ppm maximum
Arsenic (As)	1 ppm maximum
Cadmium (Cd)	1 ppm maximum
Mercury (Hg)	0.1 ppm maximum

Microbial Test Results

Aerobic Plate Count	1000 cfu / gram max.
Yeast and Mold Count	100 cfu / gram max.
Total Coliforms	Negative

**MANGANESE CONTENT
(Typical)**

Anhydrous Basis	35.6-37.2%
Monohydrate Basis (As Is)	31.8-33.2%

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

12/29/11