

**NAME AND CODE****Manganese Gluconate Dihydrate USP/FCC Fine Powder**

Code: 2576

CHEMICAL FORMULA

MnC ₁₂ H ₂₂ O ₁₄	Mol. Wt. Anhydrous	445.24
	Dihydrate	481.27

CAS NUMBER

6485-39-8

USE

Nutrient; Dietary Supplement

DESCRIPTION

pink fine powder

CHEMICAL SPECIFICATION

TESTS	FCC SPECIFICATIONS	USP SPECIFICATIONS
Assay (on a dry basis)	98.0-102.0%	98.0 - 102.0%
Arsenic (As)	3 ppm maximum	3 ppm maximum
Heavy Metals	0.002% maximum	0.002% maximum
Lead	2 ppm maximum	0.001% maximum
Reducing Substances	1.0% maximum	1.0% maximum
Identification		
Test A	Passes test	Passes test
Test B	Passes test	Passes test
Water	3.0 - 9.0%(anhydrous) 6.0 - 9.0%(dihydrate)	3.0 - 9.0%(anhydrous) 6.0 - 9.0% (dihydrate)
Chloride		0.05% maximum
Sulfate		0.2% maximum
Residual Solvents		Meets requirements
<u>Microbial Test Results</u>		
Aerobic Plate Count		1000 cfu/gm maximum
Yeast and Mold Count		100 cfu/gm maximum
Total Coliforms		Negative

MANGANESE CONTENT

Anhydrous basis	12.1-13.1%	12.1-13.1%
Dihydrate basis	11.0-11.9%	11.0-11.9%
As-Is	11.0-13.1%	11.0-13.1%

CONTAINERS

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

STORAGE

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

REGULATORY

This substance has not been found on the TSCA inventory. This substance is manufactured for use only as a dietary supplement.

REVISION DATE

02/27/09