



Distributed by: Westco Chemicals, Inc.
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North Hollywood, CA 91605
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Product Specification

Product Name: Manganese Citrate 28%
Stock Code: MNCI284002
Shelf Life: 3 years
Country of Origin: USA
Non-GMO Product: Conforms

01/09

Product Description

Manganese citrate is a food grade composition of manganese carbonate and citric acid.

Chemical and Physical Analysis

Test or Assay	Claim	Method
Mn Content	28.0% - 35.0%	ICP
pH	3 - 8	USP
Color	Off White to Tan	Visual
Loss on Drying	NMT 16.5%	Continuous 105 °C until stable
Particle Size	NLT 85% thru 40 Mesh	Ro-Tap
Bulk Density	Report	USP
Lead	Less Than 1 ppm	Graphite Furnace AA
Arsenic	Less Than 1 ppm	Graphite Furnace AA
Mercury	Less Than 1 ppm	Cold Vapor AA

Microbiological Analysis

Test or Assay	Claim	Method
E. Coli	Negative	AOAC
Coliforms	Negative	AOAC
Salmonella	Negative	FDA/BAM
Staphylococcus aureus	Negative	FDA/BAM
Total Plate Count	Less Than 3000 cfu/g	AOAC
Yeast and Mold	Less Than 300 cfu/g	AOAC

Packaging and Storage

Double walled 51 ECT corrugated carton with sealed poly liner.
Store in a cool, dry location.

