



NutraCeuticals Group USA

8404 Sunstate Street
Tampa, FL 33634, USA
Tel: +813-461-7500
sales@nutraintgroup.com
nutraceuticalsgroup.com

NutraCeuticals Group UK

The Old Smithy, 7 High Street, Merstham,
Surrey, RH1 3BA, UK
Tel: +44-203-696-2780
sales@nutraceuticalsgroup.com
nutraceuticalsgroup.com

NutraCeuticals Group DE

Hagener Hauptstraße 8,
21684 Stade, DE
Tel: +49 4162 7023697
sales.de@nutraceuticalsgroup.com
nutraceuticalsgroup.com

Product Master Specification

Item Name	Manganese Carbonate Nutrition Grade (~44% Mn)
Product Code	NIGEMIN1005174
Product Type	Minerals
Issue Date	29-May-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Light red or light brown powder
Characteristics	
Assay	≥ 44.0 % Manganese
Irradiation	Free
GMO	Free
BSE/TSE	Free
Physical/Chemical	
Particle Size	100% pass 100 mesh
Loss on Drying	≤ 5.0%
Heavy Metals	
Heavy Metals Total	≤ 10.00 ppm
Lead (Pb)	≤ 3.00 ppm
Arsenic (As)	≤ 3.00 ppm
Cadmium (Cd)	≤ 1.00 ppm
Mercury (Hg)	≤ 0.10 ppm
Microbiological	
Total Plate Count	<1000cfu/g
Yeast and Mould	<100cfu/g
Escherichia coli (E. coli)	Negative
Salmonella	Negative
Staphylococcus aureus	Negative
Impurities & Solvent Residues	
Sulphate	≤ 0.5%
Chloride	≤100ppm

Storage & Handling	
Storage	Store in a clean, cool, dry place at 5 - 25°C. Protect from humidity (RH < 60) and sunlight.
Preparation and/or handling before use or processing	Please ask our QA department for detailed instructions.
Transportation	Transportation suitable for dried food powders.
Packaging	All packaging meets EU regulations.
Shelf Life	2 years from manufacture if stored according to conditions above.
Approved by	Quality Department
Disclaimer	All batches are fully in line with all requirements of the agreed specifications as standard, however not all parameters are tested per batch all of the time. Nutraceuticals Group guarantee all batches.
Template Version	NGEMNSPEC202408a