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Product Master Specification

Item Name	**Magnesium Bisglycinate Anhydrous Chelate Powder 60 Mesh Fully Reacted Nutrition Grade (~13% Mg)**
Product Code	NIGEMIN1005196
Product Type	Minerals
Issue Date	**04-Nov-2026**
Version	**V01**
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	White powder
Characteristics	
Assay	12.8-14% (Mg)
Molecular Formula	C4H8MgN2O4
CAS No.	14783-68-7
Irradiation	Free
GMO	Free
BSE/TSE	Free
Physical/Chemical	
Particle Size	80% passing through 60 mesh
Bulk Density	NLT 0.70g/ml
Bulk Density Tapped	NLT 0.80g/ml
Loss on Drying	≤ 3.50 %
Heavy Metals	
Heavy Metals Total	≤ 10.00 ppm
Lead (Pb)	≤ 3.00 ppm
Arsenic (As)	≤ 1.00 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
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
Signed By	Emma Elrington
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
Nutritional (Typical) / 100g	
General Information	While Nutraceuticals Group strives to provide comprehensive information about all ingredients, the specific nutritional data for this product is currently not available. We recommend conducting further analysis if precise nutritional information is required for your product labelling.