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Product Master Specification

Item Name	L-Lactic Acid Powder 60% Fermented
Product Code	NIGEMSC1007549
Product Type	Nutritional Misc
Issue Date	29-Sep-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	White powder
Odour and Taste	Characteristic of lactic acid flavor and a pure lactic acid taste.
Description	Powder form of natural L-Lactic acid which is produced by fermentation from sugar. It consists of lactic acid and calcium lactate. Also the calcium lactate is produced of natural L-Lactic acid.
Characteristics	
Assay	Lactic acid 58.0-62.0 % Calcium lactate 36.0-42.0 % Silicon dioxide 1.0-3.0 %
Irradiation	Free
GMO	Free
BSE/TSE	Free
Particle Size	≥98% through 710 µm
Water	≤ 2.00 %
Chlorides	<10ppm
Sulfates	<200ppm
Heavy Metals	
Heavy Metals Total	≤ 10.00 ppm
Lead (Pb)	≤ 0.50 ppm
Arsenic (As)	≤ 1.00 ppm
Iron (Fe)	≤ 10.00 ppm
Microbiological	
Yeast and Mould	<100cfu/g
Escherichia coli (E. coli)	Not detected / g
Salmonella	Not detected / 25g
Mesophilic aerobic bacteria	<1000cfu/g

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	Shehara Premachandra
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
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.