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Product Master Specification

Item Name	Calcium Chloride Dihydrate Granular Nutrition Grade (~27% Ca)
Product Code	NIGEMIN1005188
Product Type	Minerals
Issue Date	18-Sep-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	White crystalline powder
Odour and Taste	Odorless
Characteristics	
Identification	Complies with tests for calcium and chloride
Assay	99.0%-107.0%
Irradiation	Free
GMO	Free
BSE/TSE	Free
Sulphate	<300ppm
Solubility	Soluble in water and slightly soluble in alcohol
pH	4.5-11.0%v (5% solution)
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
Iron (Fe)	≤ 10.00 ppm
Microbiological	
Total Plate Count	<1000cfu/g
Yeast and Mould	<100cfu/g
Escherichia coli (E. coli)	Not detected / g
Salmonella	Not detected / 25g
Impurities & Solvent Residues	

Fluoride	<0.004%
Magnesium & Alkali metals	<4.0%
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	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	Please note this is a guide only from analytical data from labs or the manufacturer of the product. Nutraceuticals accept no responsibility for any inaccuracies in the data. We strongly suggest if using this data for labelling / pack artwork you analyse your finished product to verify nutritional data.
Calcium	~27%