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Product Master Specification

Item Name	Monosodium Glutamate Vegan 40-100 Mesh
Product Code	NIGEFLV1000714
Product Type	Flavorings
Issue Date	22-Jul-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	White, free-flowing crystals or crystalline powder
Odour and Taste	Odourless
Characteristics	
Assay	Glutamine: $\geq 99\%$
Irradiation	Free
GMO	Free
BSE/TSE	Free
Product Specific Test	
Chloride	$\leq 0.1\%$
Physical/Chemical	
Particle Size	40-100 mesh
Transmittance of solution	$\geq 98\%$
Specific Rotation	$+24.90^{\circ} + 25.30$ $[\alpha]_D^{20}$
Loss on Drying	$\leq 0.5\%$
pH	6.7-7.5
Heavy Metals	
Heavy Metals Total	≤ 10.00 ppm
Lead (Pb)	≤ 1.00 ppm
Arsenic (As)	≤ 0.50 ppm
Cadmium (Cd)	≤ 1.00 ppm
Mercury (Hg)	≤ 0.10 ppm
Iron (Fe)	≤ 5.00 ppm
Zinc (Zn)	≤ 5.00 ppm
Microbiological	

Total Plate Count	< 1,000 cfu/g
Yeast and Mould	< 100 cfu/g
Escherichia coli (E. coli)	Not detected / g
Salmonella	Not detected / 25g
Impurities & Solvent Residues	
Sulphate	≤0.05 %
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	3 years from manufacture if stored according to conditions above
Approved by	Quality Department
Signed By	Chloe O'Flaherty
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	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.
Energy (Kcal)	312 Kcal
Energy (KJ)	1326 KJ
Protein	78.00 g/100 g
Sodium	12.30 mg/100 g