



Nutraaceuticals Group USA 8404 Sunstate Street Tampa, FL 33634, USA Tel: +813-461-7500 sales@nutraintlgroup.com nutraaceuticalsgroup.com	Nutraaceuticals Group UK The Old Smithy, 7 High Street, Merstham, Surrey, RH1 3BA, UK Tel: +44-203-696-2780 sales@nutraaceuticalsgroup.com nutraaceuticalsgroup.com	Nutraaceuticals Group DE Wiessengrund 29, 21635 Jork, DE Tel: +49 4162 7023697 sales.de@nutraaceuticalsgroup.com nutraaceuticalsgroup.com
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Product Master Specification

Item Name	Alpha-Keto-Isoleucine Calcium
Product Code	NIGEAMA005511
Product Type	Amino Acids
Issue Date	31-May-2024
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	White crystalline powder
Odour and Taste	Characteristic
Characteristics	
Identification	Positive by chromatography
Assay	98.5%~102.0%
Irradiation	Free
GMO	Free
BSE/TSE	Free
Product Specific Test	
Water content	≤12.0%
Chloride	≤0.02%
Sulfate	≤0.04%
Calcium	13.22%~13.70%
Physical/Chemical	
pH	5.0 - 7.5
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)	Not detected
Salmonella	Negative
Impurities & Solvent Residues	
Total impurity	≤1%
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	Josh Bowden
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