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## Product Master Specification

<b>Item Name</b>	<b>D-Chiro Inositol 80 Mesh</b>
<b>Product Code</b>	NIGEVIT1004050
<b>Product Type</b>	Vitamins
<b>Issue Date</b>	<b>19-May-2026</b>
<b>Version</b>	<b>V01</b>
<b>QA Status</b>	Final Approved
<b>Intended use</b>	Food use
<b>Test</b>	Specification
<b>Organoleptic</b>	
<b>Appearance</b>	White to off-white crystals or crystalline powder
<b>Odour and Taste</b>	Characteristic
<b>Characteristics</b>	
<b>Identification</b>	Conform to standard
<b>Assay</b>	99.0% - 102.0%
<b>CAS No.</b>	643-12-9
<b>Irradiation</b>	Free
<b>GMO</b>	Free
<b>BSE/TSE</b>	Free
<b>Product Specific Test</b>	
<b>Fructose</b>	≤ 1.0%
<b>Glucose</b>	≤ 1.0%
<b>Sucrose</b>	≤ 1.0%
<b>Pinitol</b>	≤ 1.0%
<b>Myo-Inositol</b>	≤ 1.0%
<b>Physical/Chemical</b>	
<b>Specific Rotation</b>	+63.0° ~ 67.0°, c=1.0
<b>Loss on drying</b>	≤ 2.00 %
<b>Residue on Ignition</b>	≤ 0.50 %
<b>Heavy Metals</b>	
<b>Heavy Metals Total</b>	≤ 10.00 ppm
<b>Lead (Pb)</b>	≤ 3.00 ppm
<b>Arsenic (As)</b>	≤ 1.00 ppm
<b>Cadmium (Cd)</b>	≤ 1.00 ppm

<b>Mercury (Hg)</b>	≤ 0.10 ppm
<b>Microbiological</b>	
<b>Total Plate Count</b>	< 100 cfu/g
<b>Yeast and Mould</b>	< 100 cfu/g
<b>Escherichia coli (E. coli)</b>	Not detected / g
<b>Salmonella</b>	Not detected / 25g
<b>Staphylococcus aureus</b>	Not detected / g
<b>Impurities &amp; Solvent Residues</b>	
<b>Total impurity</b>	≤ 2.0%
<b>Any other impurity</b>	≤ 0.1%
<b>Sulphate</b>	≤ 0.5%
<b>Chloride</b>	≤ 0.5%
<b>Storage &amp; Handling</b>	
<b>Storage</b>	Store in a clean, cool, dry place at 5 - 25°C. Protect from humidity (RH < 60) and sunlight.
<b>Preparation and/or handling before use or processing</b>	Please ask our QA department for detailed instructions
<b>Transportation</b>	Transportation suitable for dried food powders
<b>Packaging</b>	All packaging meets EU regulations
<b>Shelf Life</b>	2 years from manufacture if stored according to conditions above
<b>Approved by</b>	Quality Department
<b>Signed By</b>	Chloe O'Flaherty
<b>Disclaimer</b>	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.
<b>Template Version</b>	NGEMNSPEC202408a
<b>Nutritional (Typical) / 100g</b>	
<b>General Information</b>	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.