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## Product Master Specification

<b>Item Name</b>	Ginger Root Extract 10:1 Water Ethanol Extracted (Zingiber officinale)
<b>Product Code</b>	<b>NIGEHER1357758</b>
<b>Product Type</b>	Herbal Extracts
<b>Issue Date</b>	<b>2-Jul-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>	Brown Yellow Fine Powder
<b>Odour and Taste</b>	Characteristic
<b>Latin Name</b>	Zingiber Officinale
<b>Parts Used</b>	Root
<b>Method of production</b>	Water & Ethanol extraction
<b>Identification</b>	Identical to R.S.sample HPTLC
<b>Extract Ratio</b>	10:1
<b>Irradiation</b>	Free
<b>GMO</b>	Free
<b>BSE/TSE</b>	Free
<b>Physical/Chemical</b>	
<b>Particle Size</b>	95% through 80 mesh
<b>Bulk Density</b>	40~60g/100mL
<b>Bulk Density (Tapped)</b>	60~90g/100mL
<b>Loss on drying</b>	≤ 5.00 %
<b>Ash</b>	≤ 10.00 %
<b>Heavy Metals</b>	
<b>Lead (Pb)</b>	≤ 3.00 ppm
<b>Arsenic (As)</b>	≤ 2.00 ppm
<b>Cadmium (Cd)</b>	≤ 1.00 ppm
<b>Mercury (Hg)</b>	≤ 0.10 ppm
<b>Microbiological</b>	
<b>Total Plate Count</b>	≤10000cfu/g
<b>Yeast and Mould</b>	≤1000cfu/g

<b>Escherichia coli (E. coli)</b>	Not detected / g
<b>Salmonella</b>	Not detected / 25g
<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>	3 years from manufacture if stored according to conditions above
<b>Approved by</b>	Quality Department
<b>Signed By</b>	Eliza Lawrence
<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.