



<b>NutraCeuticals Group USA</b> 8404 Sunstate Street Tampa, FL 33634, USA Tel: +813-461-7500 sales@nutraintgroup.com nutraceuticalsgroup.com	<b>NutraCeuticals Group UK</b> The Old Smithy, 7 High Street, Merstham, Surrey, RH1 3BA, UK Tel: +44-203-696-2780 sales@nutraceuticalsgroup.com nutraceuticalsgroup.com	<b>NutraCeuticals Group DE</b> Hagener Hauptstraße 8, 21684 Stade, DE Tel: +49 4162 7023697 sales.de@nutraceuticalsgroup.com nutraceuticalsgroup.com
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## Product Master Specification

<b>Item Name</b>	<b>Ginger Root Extract 5% Gingerols ~10:1 CO2 Extraction (Zingiber officinale)</b>
<b>Product Code</b>	<b>NIGEHER1357683</b>
<b>Product Type</b>	Herbal Extracts
<b>Issue Date</b>	<b>20-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>	Light yellow powder
<b>Odour and Taste</b>	Characteristic
<b>Latin Name</b>	Zingiber officinale
<b>Parts Used</b>	Root
<b>Extract Ratio</b>	~10:1
<b>Assay</b>	≥ 5.00 % Gingerols
<b>Irradiation</b>	Free
<b>GMO</b>	Free
<b>BSE/TSE</b>	Free
<b>Physical/Chemical</b>	
<b>Particle Size</b>	95% pass 80 mesh
<b>Loss on drying</b>	≤ 5.00 %
<b>Ash</b>	≤ 5.00 %
<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>	≤10,000cfu/g
<b>Yeast and Mould</b>	≤1,000cfu/g
<b>Coliforms</b>	≤ 10cfu/g
<b>Escherichia coli (E. coli)</b>	≤ 10cfu/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>	2 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.