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## Product Master Specification

<b>Item Name</b>	<b>Gum Acacia (Gum Arabic) Soluble Fibre Powder Instantised Agglomerated (Acacia spp.)</b>
<b>Product Code</b>	NIGEEMU1001121
<b>Product Type</b>	Emulsifiers
<b>Issue Date</b>	<b>05-Jun-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 yellowish white
<b>Odour and Taste</b>	Odourless, neutral taste.
<b>Characteristics</b>	
<b>Latin Name</b>	Acacia spp.
<b>E Number</b>	E414
<b>Irradiation</b>	Free
<b>GMO</b>	Free
<b>BSE/TSE</b>	Free
<b>Physical/Chemical</b>	
<b>Viscosity</b>	60 to 130 mPa.s (25% solution)
<b>Colour of Solution</b>	≤ 7 (25% solution)
<b>Moisture</b>	≤ 10%
<b>Ash</b>	≤ 4%
<b>pH</b>	4.1 - 4.8 (25% solution)
<b>Acid Insolubles</b>	≤ 0.1%
<b>Acid Insoluble Ash</b>	≤ 0.5%
<b>Optical Rotation</b>	589 nm at 1%
<b>Turbidity</b>	≤ 120 NTU (5%)
<b>Heavy Metals</b>	
<b>Heavy Metals Total</b>	≤ 5.00 ppm
<b>Lead (Pb)</b>	≤ 0.10 ppm
<b>Arsenic (As)</b>	≤ 0.50 ppm
<b>Cadmium (Cd)</b>	≤ 0.10 ppm

<b>Mercury (Hg)</b>	≤ 0.10 ppm
<b>Microbiological</b>	
<b>Total Plate Count</b>	≤2000cfu/g
<b>Yeast and Mould</b>	≤100cfu/g
<b>Escherichia coli (E. coli)</b>	Not detected / 5g
<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>	Alfie Edwards
<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>	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.
<b>Energy</b>	170 - 200 kcal
<b>Protein</b>	2.50 g/100 g
<b>Total Carbohydrates</b>	80 - 85 g/100 g
<b>Total fat</b>	0.00 g/100 g
<b>Sodium</b>	50 - 700 mg/100g
<b>Moisture</b>	NMT 10g/100g
<b>Ash</b>	NMT 4g/100g
<b>Potassium</b>	200 - 900 mg/100g
<b>Calcium</b>	500 - 1200 mg/100g
<b>Magnesium</b>	100 - 300 mg/100g