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Product Master Specification

Item Name	**Cocoa (Roasted Cocao) Fibre 50% (Theobroma cacao)**
Product Code	NIGEFIB1000946
Product Type	Fibers
Issue Date	**13-Nov-2026**
Version	**V01**
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Light brown to dark brown powder, free flowing
Odour and Taste	Typical chocolate-like, roasted,Typical chocolate-like, bitter, roasted
Characteristics	
Latin Name	Theobroma cacao
Irradiation	Free
GMO	Free
BSE/TSE	Free
Fat	9.4%
Particle Size	<150µm
Solubility	Slightly soluble in water
Moisture	≤ 6.72 %
Ash	≤ 12.60 %
pH	6.85
Sand (acid insoluble ash) dry basis	<0.05-0.15%
Digital colour readout (LAB)	31.58 - 13.73 - 19.58
Heavy Metals	
Lead (Pb)	≤ 0.10 ppm
Cadmium (Cd)	≤ 0.60 ppm
Nickel (Ni)	≤ 15.00 ppm
Microbiological	
Total Plate Count	≤10000 cfu/g
Yeast and Mould	≤100 cfu/g
Enterobacteriacae	≤10 cfu/g
Escherichia coli (E. coli)	≤10 cfu/g

Salmonella	Not detected / 25g
Coagulase positive staphylococcus	≤20 cfu/g
Bacillus cereus	≤1000 cfu/g
Cl. perfringens	≤10 cfu/g
Aflatoxin B1	≤ 2.00 ppb
Aflatoxin (B1, B2, G1, G2)	≤ 4.00 ppb
Ochratoxin A	≤ 3.00 ppb
Storage & Handling	
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	Shehara Premachandra
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
General Information	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.
Energy	283kcal
Energy	1166kJ
Protein	23.20 g/100 g
Total Carbohydrates	51.70 g/100 g
Available Carbohydrate	0.90 g/100 g
Total Fat	5.80 g/100 g
of which Saturates	4.40 g/100 g
of which Unsaturates	1.10 g/100 g
of which Monounsaturates	3.50 g/100 g
of which Trans	<0.1g/100 g
Salt	<0.10 g/100 g
Sodium	14.00 mg/100 g
Total Dietary Fiber	50.80 g/100 g
Moisture	6.70 g/100 g
Ash	12.60 g/100 g
Total Sugar	0.10 g/100 g