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Product Master Specification

Item Name	Lemon Balm Leaf Extract 6% Rosmarinic Acid ~4:1 Water Extracted (Melissa officinalis)
Product Code	NIGEHER1357843
Product Type	Herbal Extracts
Issue Date	1-Oct-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Beige to brown Fine Powder
Odour and Taste	Characteristic
Latin Name	Melissa officinalis
Parts Used	Leaf
Extract Ratio	3-4.5:1
Assay	≥6% Rosmarinic acid
Irradiation	Free
GMO	Free
BSE/TSE	Free
Particle Size	100% through 500 µm 80% through 300 µm
Solubility	10 g freely soluble in 100 g in water
Bulk Density	0.40-0.65 g/ml
Tapped Density	0.60-0.85 g/ml
Loss on drying	≤ 5.00 %
pH	4.8-5.5 (10% water solution)
Heavy Metals	
Lead (Pb)	≤ 0.10 ppm
Arsenic (As)	≤ 1.00 ppm
Cadmium (Cd)	≤ 0.05 ppm
Mercury (Hg)	≤ 0.10 ppm
Microbiological	
Total Plate Count	≤1000cfu/g
Yeast and Mould	≤100cfu/g
Escherichia coli (E. coli)	Not detected / g

Salmonella	Not detected / 25g
Staphylococcus aureus	Not detected / g
Benzo(a)pyrene	≤10ppb
Sum of PAHs	≤50ppb
Pyrrolizidine alkaloids	≤400ppb
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
Nutritional (Typical) / 100g	
General Information	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.