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Product Master Specification

Item Name	Yerba Mate Leaf Extract 20% Caffeine (Added Natural) (Ilex paraguariensis)
Product Code	**NIGEHER1357891**
Product Type	Herbal Extracts
Issue Date	**3-Nov-2026**
Version	**V01**
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Light brownish green powder
Odour and Taste	Characteristic
Latin Name	Ilex paraguariensis
Parts Used	Leaf
Method of production	Water extraction
Identification	Positive
Extract Ratio	~5/6:1
Assay	≥ 20% (caffeine)
Irradiation	Free
GMO	Free
BSE/TSE	Free
Particle Size	≥ 90 % through sieve no. 500
Solubility	Soluble in water
Bulk Density	≥ 0.3 g/ml
Bulk Density (Tapped)	~ 0.5 g/ml
Loss on drying	≤ 7.00 %
Ash	≤ 5.00 %
pH	3.0 - 6.0
Heavy Metals	
Heavy Metals Total	≤ 10.00 ppm
Lead (Pb)	≤ 3.00 ppm
Arsenic (As)	≤ 1.00 ppm
Cadmium (Cd)	≤ 1.00 ppm
Mercury (Hg)	≤ 0.10 ppm

Microbiological	
Total Plate Count	< 1,000 cfu/g
Yeast and Mould	< 300 cfu/g
Coliforms	< 10 cfu/g
Escherichia coli (E. coli)	Not detected / g
Salmonella	Not detected / 25g
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.