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Product Master Specification

Item Name	Ashwagandha Root Extract 5% Withanolides ~12:1 80 Mesh (Withania somnifera) Vegan High Solubility - KSM-66 - ExportF
Product Code	NIGEHER1357668
Product Type	Herbal Extracts
Issue Date	5-May-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Light yellowish brown powder
Odour and Taste	Characteristic
Latin Name	Withania somnifera
Parts Used	Root
Method of production	Water extraction
Extract Ratio	~12:1
Assay	≥ 5.00 % Withanolides < 0.1 % (withaferin A)
Irradiation	Free
GMO	Free
BSE/TSE	Free
Physical/Chemical	
Particle Size	> 95% through 40 mesh > 85% through 80 mesh
Bulk Density	0.2 - 0.6 g/cc
Bulk Density (Tapped)	0.2 - 0.8 g/cc
Moisture	≤ 5.00 %
pH	4.0 - 6.5
Sulphated Ash	≤ 8.00 %
Acid Insolubles	≤ 5.00 %
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	≤ 10,000cfu/g
Yeast and Mould	≤ 1,000cfu/g
Escherichia coli (E. coli)	Not detected / g
Salmonella	Not detected / 25g
Staphylococcus aureus	Not detected / g
Aflatoxin (B1, B2, G1, G2)	≤ 5.00 ppb
Bile Tolerant gram negative Bacteria	≤ 100 cfu/g
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	3 years from manufacture if stored according to conditions above
Approved by	Quality Department
Signed By	Chloe O'Flaherty
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.