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## Product Master Specification

<b>Item Name</b>	<b>Astragalus Root Extract 10% Astragaloside IV (Astragalus membranaceus) - ExportSF</b>
<b>Product Code</b>	NIGEHER003115
<b>Product Type</b>	Herbal Extracts
<b>Issue Date</b>	<b>18-Jun-2024</b>
<b>Version</b>	<b>V02</b>
<b>QA Status</b>	Final Approved
<b>Intended use</b>	Food use
<b>Test</b>	Specification
<b>Organoleptic</b>	
<b>Appearance</b>	Brown powder
<b>Odour and Taste</b>	Characteristic
<b>Characteristics</b>	
<b>Latin Name</b>	Astragalus membranaceus
<b>Parts Used</b>	Root
<b>Identification</b>	Positive
<b>Assay</b>	Astragaloside IV $\geq 10.00\%$
<b>Irradiation</b>	Free
<b>GMO</b>	Free
<b>BSE/TSE</b>	Free
<b>Physical/Chemical</b>	
<b>Particle Size</b>	100%Through 80 mesh
<b>Loss on drying</b>	$\leq 5.00\%$
<b>Residual Solvents</b>	<0.1% (alcohol)
<b>Ash</b>	$\leq 5.00\%$
<b>Heavy Metals</b>	
<b>Heavy Metals Total</b>	$\leq 10.00$ ppm
<b>Lead (Pb)</b>	$\leq 3.00$ ppm
<b>Arsenic (As)</b>	$\leq 1.00$ ppm
<b>Cadmium (Cd)</b>	$\leq 1.00$ ppm
<b>Mercury (Hg)</b>	$\leq 0.10$ ppm
<b>Microbiological</b>	
<b>Total Plate Count</b>	$\leq 10,000$ cfu/g

<b>Yeast and Mould</b>	< 1,000 cfu/g
<b>Escherichia coli (E. coli)</b>	Not detected / g
<b>Salmonella</b>	Not detected / 25g
<b>Staphylococcus aureus</b>	Negative
<b>Pseudomonas aeruginosa</b>	Negative
<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>	2 years from manufacture if stored according to conditions above
<b>Approved by</b>	Quality Department
<b>Signed By</b>	Deeksha Poojari
<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