


## Certificate of Analysis

**Ashwagandha Root Extract 2.5% Withanolides (Withania somnifera) - NIGEHER002701 - ASG-2305209**

<b>Item Name</b>	Ashwagandha Root Extract 2.5% Withanolides (Withania somnifera)
<b>Product Code</b>	NIGEHER002701
<b>Product Type</b>	Herbals
<b>Batch Number</b>	ASG-2305209
<b>Manufacture Date</b>	3-May-2023
<b>Retest Date</b>	2-May-2026
<b>Issue Date</b>	16-Jun-2023
<b>QA Status</b>	Approved
<b>Food Safety Acceptance Criteria</b>	Meets UK and EU legislation
<b>Intended use</b>	Food use

Storage and Handling	
<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>Signed By</b>	Teri Branson - Quality Assurance Assistant 

Test	Specification	Results
Appearance	Brown free flowing powder	Conforms
Taste & odour	Characteristic	Conforms
Particle size	>98% through 40 mesh	100%
Bulk density	0.4-0.6g/ml	0.46g/ml
Loss on drying	<5%	2.36%
Benzo(a)pyrene	<10ppb	Conforms
Sum of PAHs	<50ppb	Conforms
Assay: withanolides	>2.5%	2.92%
Heavy Metals		
Total heavy metals	<10ppm	Conforms
Lead (Pb)	<3ppm	Conforms
Arsenic (As)	<1ppm	Conforms
Cadmium (Cd)	<1ppm	Conforms
Mercury (Hg)	<0.1ppm	Conforms
Microbiological		
Total plate count	<10,000cfu/g	<1000cfu/g
Yeast & mould	<100cfu/g	Conforms
E.coli	Absent	Conforms
Salmonella	Absent	Conforms
Staphylococcus aureus	Absent	Conforms