

## Product code: 7

7 Ashwagandha [Withania somnifera D.] root 5% Withanolides [HPLC] powder extract [Vegan – Certified Organic]

<b>Product Name:</b> KSM66 - Ashwagandha [Withania somnifera D.] root 5% Withanolides [HPLC] powder extract [Vegan – Certified Organic]	
<b>Botanical Name:</b> <i>Withania somnifera</i>	<b>Plant part used:</b> Root
<b>CAS number:</b> 90147-43-6	<b>EC number:</b> 290-434-9
<b>Standard:</b> Corporation In-house standard	<b>Specification ref.:</b> R1_V1
<b>Issue number:</b> 2	<b>Valid from:</b> 06/11/2023 to 30/11/2026
<b>Preparation type:</b> Extraction	<b>Standardisation:</b> Withanolides by HPLC
<b>Extraction solvent:</b> Water	<b>Other solvent used in manufacturing:</b> None
<b>Extraction ratio:</b> 10 to 15 : 1	<b>Crop type:</b> Cultivated
<b>Suitable for Vegetarians:</b> Yes	<b>Suitable for Vegans:</b> Yes
<b>Excipients [Compound Ingredients] [descending order]:</b> None	<b>Principle ref.:</b> BPM220
<b>Analysis</b>	<b>Specification</b>
Appearance	Pale Brown coloured fine powder
Identification [TLC]	To comply by TLC (6 spots of Rf)
Taste & Odour	Characteristic
pH [5% solution]	4.0 to 6.5
Assay [Withanolides by HPLC]	NLT 5.0%
Withaferin A [HPLC]*	NMT 0.1% (Typically, below detection limit)
Loss on drying	NMT 5.0%
Residue on ignition	NMT 8.0%
Acid Insoluble ash	NMT 5.0%
Sieve analysis	NLT 95% through 40 mesh NLT 85% through 80 mesh
Bulk density [Loose]	0.20 g/ml to 0.60 g/ml [Typically, NLT 0.54 g/ ml]
Bulk density [Tapped]*	0.40 g/ml to 0.80 g/ml
Residual pesticides*	To comply as per USP34/ Ph. Eur.
Total Heavy metals (as Pb)	NMT 10 ppm
Lead (Pb)	NMT 1 ppm
Inorganic Arsenic (As)	NMT 1 ppm
Cadmium (Cd)	NMT 1 ppm
Mercury (Hg)	NMT 0.1 ppm
Total plate count	NMT 10,000 CFU/ g

Yeast and Mould	NMT 1000 CFU/ g
Total Enterobacteriaceae	NMT 100 CFU/ g
E. Coli	Negative/ g
Salmonella	Negative/ 10 g
Staphylococcus aureus*	Negative/ g
Aflatoxins (B1, B2, G1 and G2)*	NMT 5 ppb
Mycotoxins (B1)*	NMT 2 ppb
PAH4*	NMT 50 ppb
Benzopyrene [PAH]*	NMT 10 ppb

\*These parameters may not be tested for every batch and are usually tested on a periodic basis.

**Storage conditions:** Store in a tight closed container at room temperature, away from heat, light and moisture.

**Shelf life:** Recommended to retest after 3 years from date of manufacture.

**Remarks:** Due to the natural origin of this product, there can be a variation in colour from batch to batch.

**Regulatory Statements:**

**GMO Status:** This product is GMO FREE in accordance with EU Regulations 1829/2003 and 1830/2003.

**Irradiation Status:** This product has NOT been irradiated OR treated with ETO in accordance with EU directive 1999/2/EC and 1999/3/EC concerning foods and food ingredients treated with ionising radiation.

**TSE / BSE Statement:** This product does not contain, nor manufactured with any animal products OR any materials of animal origin. This product does not present any risk of cross contamination by TSE/BSE causing organisms and complies with the EC regulation 999/2001/EC of 22 May 2001.

**Nano materials:** This material is not produced using Nanotechnology and is free from Nano-particles, and so complies with EU regulations 1169/2011 and 2015/2283.

Does the raw material CONTAIN or is it DERIVED from or could it be cross-contaminated by any of the following			
INGREDIENT	YES	NO	QUANTITY/ADDITIONAL INFO
BHA/BHT/Related compounds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bovine products or by-products	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Celery or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cereals containing Gluten (Wheat, rye, barley, oats, spelt, kamut or their hydrolysed strains) or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Crustaceans/Shellfish or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Eggs or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fish or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Milk or Milk products (including lactose)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Mustard seed or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Nuts or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Peanuts or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sesame seeds or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
SO2 or Sulphites at concentration over 10mg/kg	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soya beans or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Molluscs or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lupin or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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