

SPECIFICATION

Product Name: Ashwagandha Root Extract Powder 20:1
Chemical Formula: N/A
CAS Number: N/A
Molecular Weight: N/A
Appearance: Light brown to brown colour fine powder
Odor: Odor

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Identification	-	Complies	Identical to R.S. sample
Sieve analysis	-	Complies	90% through 80 mesh
Moisture	%	3.26%	<10.0%
Ash	%	1.39%	<5.0%
Acid insoluble ash	%	0.54%	<2.4%
Bulk density	g/ml	78.40g/100ml	40-80g/100ml
Arsenic	PPM	B.L.Q	≤3 PPM
Cadmium	PPM	B.L.Q	Max. 1.0 PPM
Lead	PPM	B.L.Q	≤5 PPM
Mercury	PPM	B.L.Q	≤1 PPM
Contaminants			
Aflatoxin B1	ppb	Complies	≤5 ppb
Aflatoxin B2	ppb	Complies	≤2 ppb

Aflatoxin G1	ppb	Complies	≤2 ppb
Aflatoxin G2	ppb	Complies	≤2 ppb
Microbiological Parameters			
Total Plate Count	cfu/g	<1000 cfu/g	<10000 cfu/g
Yeast & Molds	cfu/g	<100 cfu/g	<100 cfu/g
Coliform	cfu/g	<10 cfu/g	<10 cfu/g
E. Coli	-	Negative	Negative
Salmonella	-	Negative	Negative

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Insoluble in acetone. Insoluble in oils.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry place at 15–25°C, away from direct sunlight, heat, and moisture. Keep the container tightly closed in the original packaging and store in a well-ventilated area to protect the extract from humidity and maintain its quality and stability.

Applications

- Use: Widely used as a herbal ingredient in dietary supplements, nutraceuticals, and functional foods. It is traditionally used to support stress management, cognitive function, energy, stamina, immune health, and overall wellness. It is also valued for its adaptogenic properties, helping the body adapt to physical and mental stress, and is commonly included in capsules, tablets, powders, and herbal beverage formulations.
- Dosage: Depends on the intended formulation, extract concentration, and standardized withanolide content. It should be used according to product formulation requirements or as directed by a qualified healthcare professional.

Packaging

- Standard Packing: 25 Kgs pp bag with inner liner and 1 Kgs or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.



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* Specifications are based on the manufacturer's provided specifications.

