

## Certificate of Analysis

**Name:** Ashwagandha Root Powder  
**Botanical Name:** Withania Somnifera  
**Country of Origin:** India  
**Lot No:** BPCARP012023  
**Expiry:** January 2026

TEST ITEMS	SPECIFICATIONS	RESULTS	TEST METHODS
Appearance	Free Flowing Off White Powder	Conforms	Visual
Taste & Odor	Characteristic	Conforms	Organoleptic
Identification	Conforms to Standard	Conforms	FTIR
Moisture	NMT 10% w/w	2.81%	USP Method
Ash Content	NMT 12% w/w	6.86%	USP Method
Sieve Analysis	40 Mesh	100%	40 Mesh Screen
<b>HEAVY METALS ANALYSIS</b>			
Total Heavy Metals	NMT 10ppm	Conforms	USP XXIII
Arsenic (As)	NMT 2.0ppm	0.334ppm	USP    ICP-OES
Cadmium (Cd)	NMT 1.0ppm	0.154ppm	USP    ICP-OES
Lead (Pb)	NMT 2.0ppm	0.610ppm	USP    ICP-OES
Mercury (Hg)	NMT 0.5ppm	< 0.1ppm	USP    ICP-OES
<b>MICROBIOLOGICAL ANALYSIS</b>			
Total Plate Count	NMT 100,000cfu/g	6,400cfu/g	AOAC BAM    USP<2021>
Yeast & Mold	NMT 1,000cfu/g	120cfu/g	AOAC BAM    USP<2021>
E. Coli	Absent	Absent	AOAC BAM
Salmonella	Absent	Absent	AOAC BAM
Staphylococcus	Absent	Absent	AOAC BAM
<i>Pseudo.aeruginosa</i>	Absent	Absent	AOAC BAM

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