

**CERTIFICATE OF ANALYSIS****Product: Ashwagandha (Withania somnifera) — root extract / powder**

Sample date (drawn): 11 April 2026

Testing completed: 18 April 2026

Report ref.: BB-COA-ASH-20260418

Analytical summary

Parameter	Specification	Result	Method / ref.
Appearance	Brown powder; characteristic odour	Complies	Organoleptic
Identification	Positive for Withania somnifera (HPTLC / HPLC)	Complies	In-house / USP
Loss on drying	NMT 6.0% w/w	2.1% w/w	USP <731>
Total ash	NMT 8.0% w/w	5.4% w/w	USP <561>
Assay (withanolides)	NLT 2.5% w/w (HPLC)	3.1% w/w	HPLC

Scope note: The adulterant screening, heavy-metal, aflatoxin, pesticide-residue, and microbiological panels below are included for this Ashwagandha (botanical powder / extract) lot under our FSSAI-aligned botanical safety scope. Status "Pass" applies only where the test is listed for this product.

Adulterant screening (FSSAI manual)

S. No.	Parameter	Test result	Status	Protocol
1	Sand content	Absent	Pass	FSSAI manual
2	Added colour	Absent	Pass	FSSAI manual
3	Artificial flavour	Absent	Pass	FSSAI manual
4	Black extraneous matter	Absent	Pass	FSSAI manual
5	Rice bran powder	Absent	Pass	FSSAI manual
6	Sudan dye	Absent	Pass	FSSAI manual
7	Metanil yellow	Absent	Pass	FSSAI manual

Heavy metal analysis

S. No.	Parameter	Test result	Unit	Limits	Status	Protocol
1	Lead	< 0.04	mg/kg	1.50 mg/kg	Pass	LAB/SOP-AAS
2	Arsenic	< 0.03	mg/kg	1.50 mg/kg	Pass	LAB/SOP-AAS
3	Cadmium	< 0.05	mg/kg	1.50 mg/kg	Pass	LAB/SOP-AAS
4	Mercury	< 0.02	mg/kg	1.50 mg/kg	Pass	LAB/SOP-AAS
5	Ethylene oxide	Not detected	—	Absent	Pass	LAB/SOP-GC-FID

Aflatoxin analysis

S. No.	Parameter	Test result	Unit	Limits	Status	Protocol
1	Aflatoxin B1	≤ 0.90	µg/kg	≤ 5 µg/kg	Pass	HPLC
2	Aflatoxin B1+B2+G1+G2	≤ 1.48	µg/kg	≤ 10 µg/kg	Pass	HPLC

Chemical analysis — pesticide residue

S. No.	Parameter	Test result	Unit	Limits	Status	Protocol
1	Total pesticides residue	0.03	mg/kg	0.05 mg/kg	Pass	HPLC



Microbiological analysis

S. No.	Parameter	Test result	Unit	Limit	Status	Protocol
1	Total bacterial count	2.0	cfu/g	10 cfu/g	Pass	IS 5402 (Part 1) : 2021
2	Salmonella	Absent	per 25 g	Absent / 25 g	Pass	IS 5887 (Part 3) : 1999 (RA 2022)
3	Yeast & mould	Absent	cfu/g	Absent / g	Pass	IS 5403 : 1993 (RA 2018)

Instruction / note

1. This certificate applies only to the batch or sample identified in this report; do not infer suitability for other lots or blends.
2. Store the material as per your internal SOP and the product label (typically cool, dry, away from direct sunlight and odours) unless a different storage condition is contractually agreed.
3. This document is invalid if altered, defaced, or reproduced without written authorisation from Botanika Bharat LLP.
4. For technical or quality queries, quote the report reference, batch number, and date of issue.
5. Analytical results relate to the tests stated; interpretation for finished product compliance remains the responsibility of the user.

Disclaimer: Values are reported as obtained for the tests listed. Botanika Bharat LLP does not warrant fitness for a particular use beyond the scope of this certificate.



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