



DEPARTMENT OF QUALITY CONTROL

Certificate Of Analysis			
Product Name: Organic KSM-66 Ashwagandha Root Extract (<i>Withania Somnifera</i>)		Stability: 3 Years from the date of manufacture.	
Issued To: Laboratoire NHP.		Country of Origin: India	
Batch No: KSM/ORG/22/S402/B Mfg. Date: Aug 2022 Exp. Date: Jul 2025		Report No: SKP/S402/B Lab Ref No: QC/S402/B	
No.	Tests	Result	Limits (specification)
1	Description	Light Yellowish Brown Powder	
2	Plant Part Used	Roots	
3	Identification	Six spots at Rf of 0.61, 0.53, 0.46, 0.35, 0.28, 0.23.	To Pass The Test.(TLC)
4	Physico-chemical analysis		
	Moisture Content (%)	3.26	<5.0
	Ash Content	5.32	<15.0
	Acid insoluble ash (%w/w)	2.26	<5.0
	pH of 5% w/v solution	4.51	4.0-6.0
5	Partical Size		
	Passing through 40 mesh sieve	Pass	>95%(w/w)
	Passing through 80 mesh sieve	Pass	>85%(w/w)
6	Density		
	Bulk density (g/cc)	0.58	0.2-0.6
	Tapped bulk density (g/cc)	0.76	0.4-0.8
7	Heavy Metals		
	Lead	BLQ	<0.5ppm
	Cadmium	BLQ	<0.5ppm
	Arsenic	BLQ	<1.5ppm
	Mercury	BLQ	<0.5ppm
8	Microbiological analysis as per USP		
	Total viable aerobic count	<10 ³ cfu/g	<10 ⁴ cfu/g
	Total enterobacteriaceae	<10 cfu/g	<10 ² cfu/g
	Total fungal count	<10 ² cfu/g	<10 ³ cfu/g
9	Test for specific pathogens		
	E.Coli	Absent	Absent
	Salmonella sp. (cfu/10g)	Absent	Absent
	S.aureus (1g)	Absent	Absent
10	Aflatoxins (B1,B2,G1,G2)	BLQ	<5ppb
11	Phyto-Chemical Analysis		
	Total Withanolides (%w/w) by HPLC	5.44	≥5%
	(withaferin A) by HPLC	BDL	(<0.1%)

BDL-Below detection levels

Sample complies with the above said specifications.

Storage: Store in original,sealed containers at room temperature. Avoid light and keep away from excessive humidity.

QC Analyst



QC Manager