



DEPARTMENT OF QUALITY CONTROL

CERTIFICATE OF ANALYSIS				
Product Name: KSM-66 Ashwagandha Root Extract Vegan. (<i>Withania Somnifera</i>)			Stability: 3 Years from the date of manufacture. Country of Origin: India	
Mfg. Name: Shri Kartikeya Pharma Issued To: Anaha Lifecare LLP.			Address: Plot No: A-1, Green Industrial Park TSIIC, Jadcherla, Mahaboobnagar District 509301.	
Batch No. KSM/VG/FG/25/1011 Mfg. Date: JANUARY-2025 Exp. Date: DECEMBER-2027			Report No. SKP/1011 AR.No. KSMVGFG251011	
S.No.	Tests	Result	Limits (specification)	Method
1	Description	Light yellowish brown, slightly Hygroscopic powder.	Light yellowish brown, slightly Hygroscopic powder.	In-House
2	Plant Part Used	Roots	Roots	---
3	Identification			
	By HPTLC	Complies	Should comply with the standard Reference sample.	USP<203>
	By HPLC	Complies	Should comply with the standard Reference sample.	In-House
4	Physico-chemical analysis			
	Water Content (% w/w)	3.18%	< 5.0	USP <921>
	Sulfated Ash (% w/w)	5.30%	< 8.0	USP <561>
	Acid insoluble ash(%w/w)	2.22%	< 5.0	USP <561>
	pH of 5% w/v solution	4.17	4.0-6.0	USP <791>
5	Sieve Analysis			
	Passing through 300 mesh Sieve	Complies	>80% (w/w)	USP <786>
6	Density			
	Bulk density (g/cc)	0.41 g/cc	0.2-0.6	USP <616>
	Tapped bulk density (g/cc)	0.72 g/cc	0.4-0.8	USP <616>
7	Heavy Metals			
	Lead	<0.1 ppm	<0.5 ppm	ICP-MS> USP <730>
	Cadmium	<0.1 ppm	<0.5 ppm	
	Arsenic	<0.1 ppm	<0.5 ppm	
	Mercury	<0.05 ppm	<0.1 ppm	
8	Microbial Enumeration test			
	Total aerobic microbial count	<10 ⁴ cfu/g	<10 ⁴ cfu/g	USP<2021>
	Total combined molds and yeasts count	<10 ³ cfu/g	<10 ³ cfu/g	USP<2021>
	Enterobacterial count (Bile-Tolerant Gram-Negative Bacteria)	<10 ² cfu/g	<10 ² cfu/g	USP<2021>
9	Test for absence of specified Microorganisms			
	Escherichia coli (10g)	Absent	Absent	USP<2022>
	Salmonella species. (10g)	Absent	Absent	USP<2022>
	Staphylococcus.aureus (1g)	Absent	Absent	USP<2022>
10	Aflatoxins (B₁, B₂,G₁,G₂)	< 5 ppb	< 5 ppb	AOAC

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SHRI KARTIKEYA PHARMA

KSM-66
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11	Pesticides residue analysis			
	Organochlorine pesticides	Complies	As per the limit listed in USP<561>	USP 40 <561>
	Organophosphorous pesticides			
	Organosulphur pesticides			
12	Withanolides by HPLC			
	Content of Withanolides (%w/w)	5.30%	≥ 5.0%	In-House
	(withaferin A) by HPLC (%w/w)	0.03%	≤ 0.1%	In-House

Remarks: The product complies with the above specifications.

LOQ- Limit of Quantification (Pb-0.05 ppm, Cd-0.01 ppm, As-0.05 ppm & Hg-0.01 ppm)

Packaging and Storage: Preserve in well-closed containers, protected from light and moisture, and store at controlled room temperature.



QC Analyst



QC Manager

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