



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			Address: Plot No:S-18, TSIIC Ltd ,Polepally (V) Jadcherla (M) Mahaboobnagar. District 509301	
Issued To:				
Batch No: KSM/VG/22/S181 Mfg Date: June -2022 Exp Date: May-2025			Report No: SKP/S181 Lab Ref No: QC/S181	
No.	Tests	Result	Limits (specification)	Method
1	Description	Light yellowish brown, Hygroscopic powder	Light yellowish brown, Hygroscopic powder	In-House
2	Plant Part Used	Roots	Roots	----
3	Identification	Five spots at Rf of 0.12,0.29,0.47,0.67 and 0.73	The test sample Rf value should match with the standard Rf value.	USP<621>
4	Physico-chemical analysis			
	Moisture Content (%)	4.07%	< 5.0	USP <921>
	Ash Content	5.32%	< 8.0	USP <281>
	Acid insoluble ash(%w/w)	2.34%	< 5.0	USP <281>
	pH of 5% w/v solution	5.08	4.0-6.5	USP <791>
5	Particle Size			
	Passing through 300 mesh Sieve	Complies	>95% (w/w)	USP <786>
6	Density			
	Bulk density (g/cc)	0.44	0.2-0.6	USP <616>
	Tapped bulk density (g/cc)	0.78	0.4-0.8	USP <616>
7	Heavy Metals			
	Lead	BLQ	<0.5 ppm	AOAC/AAS
	Cadmium	BLQ	<0.5 ppm	AOAC/AAS
	Arsenic	BLQ	<1.5 ppm	AOAC/AAS
	Mercury	BLQ	<0.5 ppm	AOAC/AAS
8	Microbiological analysis as per USP			
	Total viable aerobic count	<10 ⁴ cfu/g	<10 ⁴ cfu/g	USP<2021>
	Total enterobacteriaceae	<10 cfu/g	<10 ² cfu/g	USP<2021>
	Total fungal count	<10 ² cfu/g	<10 ³ cfu/g	USP<2021>
9	Test for specific pathogens			
	E.Coli (1g)	Absent	Absent	USP<2022>
	Salmonella sp. (10g)	Absent	Absent	USP<2022>
	S.aureus (1g)	Absent	Absent	USP<2022>
10	Aflatoxins (B ₁ , B ₂ ,G ₁ ,G ₂)	BLQ	<5ppb	AOAC
11	Phyto-Chemical Analysis			
	Total Withanolides (%w/w) by HPLC	5.44%	≥ 5%	In House
	(withaferin A) by HPLC	BDL	(<0.1%)	In House

BLQ-Below Limit of Quantification

LOQ- Limit of Quantification (Pb-0.05 mg/kg, Cd-0.01 mg/kg, As-0.01 mg/kg & Hg-0.01 mg/kg)

The product 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