

**DEPARTMENT OF QUALITY CONTROL**

Certificate Of Analysis			
<b>Product Name:</b> KSM-66 Ashwagandha Root Extract ( <i>Withania Somnifera</i> )		<b>Stability:</b> 3 Years from the date of manufacture.	
<b>Issued To:</b> Pure Nootropics, LLC.		<b>Country of Origin:</b> India	
Batch No: KSM/20/S073 Mfg. Date: May 2020 Exp. Date: Apr 2023		Report No: SKP/S073 Lab Ref No: QC/S073	
No.	Tests	Result	Limits (specification)
1	<b>Description</b>	Light Yellowish Brown Powder	
2	<b>Plant Part Used</b>	Roots	
3	<b>Identification</b>	Six spots at Rf of 0.61, 0.53, 0.46, 0.35, 0.28, 0.23.	To Pass The Test.(TLC)
4	<b>Physico-chemical analysis</b>		
	Moisture Content (%)	3.12	<5.0
	Ash Content	5.30	<8.0
	Acid insoluble ash (%w/w)	2.00	<5.0
	pH of 5% w/v solution	4.30	4.0-6.5
5	<b>Partical Size</b>		
	Passing through 40 mesh sieve	Pass	>95%(w/w)
	Passing through 80 mesh sieve	Pass	>85%(w/w)
6	<b>Density</b>		
	Bulk density (g/cc)	0.57	0.2-0.6
	Tapped bulk density (g/cc)	0.79	0.2-0.8
7	<b>Heavy Metals</b>		
	Lead	BDL	<1ppm
	Cadmium	BDL	<1ppm
	Arsenic	BDL	<1ppm
	Mercury	BDL	<0.1ppm
8	<b>Microbiological analysis as per USP</b>		
	Total viable aerobic count	<10 <sup>3</sup> cfu/g	<10 <sup>4</sup> cfu/g
	Total enterobacteriaceae	<10 cfu/g	<10 <sup>2</sup> cfu/g
	Total fungal count	<10 <sup>2</sup> cfu/g	<10 <sup>2</sup> cfu/g
9	<b>Test for specific pathogens</b>		
	E.Coli	Absent	Absent
	Salmonella sp. (cfu/10g)	Absent	Absent
	S.aureus (1g)	Absent	Absent
10	<b>Aflatoxins (B1,B2,G1,G2)</b>	BDL	<5ppb
11	<b>Phyto-Chemical Analysis</b>		
	Total Withanolides (%w/w) by HPLC	5.33	≥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.

**Contains:** Milk



QC Analyst



QC Manager