PRODUCT SPECIFICATION

Product Name	**Ashwagandha Extract 5%**	**Specification NO**	**NPC/SP/WS/083**
Botanical Name	***Withania somnifera***	**ShelfLife**	**3Years**
Grade	**5.0 % by gravimetric**	**CountryofOrigin**	**India**

PARAMETERS	SPECIFICATION
PHYSICAL CHARACTERISTCS	
Description	**Brown to dark brown colour free flowing powder**
Identification by TLC	**TLC Fingerprint of sample match with the Standard**
Loss on Drying (w/w)	**NMT 5%**
Ph 1% w/v solution	**3-7**
Untapped Density	**0.55-0.80 Gm/ml**
Tapped density	**0.70-0.98 Gm/ml**
Water solubility	**NLT 70%**
Sieve Test	**100% passes Through 40#**
CHEMICAL PARAMETERS	
Assay by Gravimetric	
Total Withanolide content	**NLT 5.0 %**
Heavy Metals	
Arsenic	**NMT 1 PPM**
Lead	**NMT 1 PPM**
Mercury	**NMT 0.1 PPM**
Cadmium	**NMT 0.3 PPM**
MICROBIOLOGICAL AND PATHOGEN ANALYSIS	
Standard Plate Count	**NMT 1000 cfu/gm**
Yeast & Molds	**NMT 100 cfu/gm**
Escherichia coli	**Absent**
Salmonella	**Absent**
Pseudomonas Aeruginosa	**Absent**
Staphylococcus aureus	**Absent**
Enterobacteriaceae	**Absent**

LEGEND: D.P –Dry Powder, NMT- Not More Then, NLT- Not Less then, cfu/gm- Colony Forming Unit/gram.

ANALYZED BY	REVIEWED BY	APPROVED BY
Q.C Executive	Q.C Manager	Q.A Manager
		NECTAR PHYTOCHEMS PVT. LTD. NOIDA INDIA

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