



Product Name :	Ashwagandha Extract
Botanical Name :	Withania Somnifera
Product Code :	WSN
HER :	20:1
Part Used :	Whole Plant

S. No.	Protocols of test	Test Methods	Standard to which Compared
1.0	Description		
a.	Appearance	Organoleptic	Cream to light brown color powder
b.	Colour	Organoleptic	Cream to light brown
c.	Odour	Organoleptic	Characteristics
d.	Taste	Organoleptic	Characteristics
2.0	Analytical Data		
a.	Identification	By TLC (IH)	Presence of Total Withanolides - positive
b.	Loss on drying (At 105°C)	IP 2014	NMT. 5.0%
c.	Total Ash	IP 2014	NMT. 10.0%
d.	pH (1% w/v solution)	IP 2014	5-7
e.	Bulk Density	IP 2014	NLT. 0.25 gm/ml
f.	Tapped Density	IP 2014	NLT. 0.30 gm/ml
g.	Particle Size	Sieve	NLT. 95% Passes through 40 Mesh
3.0	Assay (On dry wt. Basis)		
a.	Free Withanolides	By HPLC	NLT 5.0%
4.0	Heavy Metals		
a.	Lead	ICP-MS	NMT 2.0 ppm
b.	Arsenic	ICP-MS	NMT 2.0 ppm
c.	Cadmium	ICP-MS	NMT 0.3 ppm
d.	Mercury	ICP-MS	NMT 0.1 ppm
5.0	Microbiological Test		
a.	Total Plate Count	USP <2021>	NMT. 1000 cfu/gm.
b.	Yeast/Moulds/Fungi	USP <2021>	NMT. 100 cfu/gm
c.	E. coli	USP <2022>	Absent
d.	Salmonella	USP <2022>	Absent / 10 gm
e.	Staphylococcus aureus	USP <2022>	Absent

Storage Condition: - Store at cool, dry place away from light & moisture.

Shelf Life: - 3 Years in original packed conditions from the date of mfg.

Packaging: - 25 Kgs. Suitable Packed in double Poly bags.