COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED
U21009KA2023PTC179006
Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.
Email: info@scimplify.com
Website:www.scimplify.com

Finished Product Specification
ASHWAGANDHA EXTRACT 5.0%

Botanical name	*Withania somnifera*	**Plant part used**	Whole herb
Standardization	Withanolides	**Production Method**	Extraction
Shelf Life	3 Years	**Country of origin**	India

SL No	Protocol	Test Parameter	Test Limit
Physical			
01	Organoleptic	Appearance	Light brown to brown color* powder
		Odour & Taste	Characteristic odor and taste
02	Internal method	Identification	To Comply by TLC
03	Internal method	Solubility	Partially soluble in water
04	USP <731>	Loss on drying	Not more than 6.0%w/w
05	USP <616>	Untapped bulk density	Between 0.30 to 0.60g/ml
06	USP <616>	Tapped bulk density	Between 0.40 to 0.80g/ml
07	USP <786>	Particle size	NLT 95% passing through 40 mesh
08	USP<561>	Residual pesticides	To comply as per USP
Chemical			
09	Internal method	Content of Withanolides by Gravimetry	Not less than 5.0% w/w
Heavy Metal			
10	USP <233>Procedure 1	Lead	Not more than 3.0 ppm
	USP <233>Procedure 1	Arsenic	Not more than 1.0 ppm
	USP <233>Procedure 1	Cadmium	Not more than 0.5 ppm
	USP <233>Procedure 1	Mercury	Not more than 0.1 ppm
Mycotoxin			
11	USP	Total Aflatoxin (B1, B2, G1, G2)	Not more than 4 ppb
		Aflatoxin B1	Not more than 2 ppb

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PAHs			
12	USP	Poly Aromatic Hydrocarbons (PAHs)	Not more than 50 ppb
		Benzo(a) pyrene	Not more than 10 ppb
Residual Solvent			
13	USP<467>	Other solvents	Nil
Microbiological			
14	USP <2021>	Total plate count	Not more than 1000cfu/g
	USP <2021>	Total yeast and mold count	Not more than 100cfu/g
	USP <2022>	Escherichia coli	Absent / 10g
	USP <2022>	Salmonella spp.	Absent / 10g
	USP <2021>	Coliforms	Absent / 10g
	USP <2022>	Staphylococcus aureus	Absent / 10g
	USP <62>	Pseudomonas aeruginosa	Absent / 10g

ADDITIONAL INFORMATION	
Sanitizing treatment	Non –irradiated and not treated with ETO (NMT 0.01ppm)
Shelf life	3 Years
GMO Status	GMO-free
Standard Packing	25 Kg packed in LDPE** Double cover and packed in New HDPE drum.
Storage condition	Store in a cool and dry place away from sunlight and heat. The preferred storage is $25^0C \pm 2^0C$.