



HERBAL EXTRACT · EXPORT GRADE

Ashwagandha Dry Extract 2.5%

Withania somnifera · Root

WITHANOLIDES CONTENT

NLT 2.5%

BOTANICAL NAME Withania somnifera	PART USED Root	PREPARATION Dry extract	STANDARDIZATION Withanolides (HPLC)
EXCIPIENT Refer lot documents	GRADE Export Grade	SHELF LIFE 36 months	COUNTRY India

S.NO	PARAMETER	SPECIFICATION / LIMITS	METHOD
1.0	ORGANOLEPTIC CHARACTERISTICS		
1.1	Appearance	Light to dark brown fine powder	Organoleptic
1.2	Colour	Dark brown	Visual
1.3	Odour	Characteristic	Organoleptic
1.4	Taste	Characteristic	Organoleptic
2.0	IDENTIFICATION		
2.1	By Thin Layer Chromatography	TLC profile to comply with reference material	By TLC
3.0	PHYSICO-CHEMICAL PARAMETERS		
3.1	Loss on drying at 105°C (% w/w)	Not more than 10.0	IP-2014
3.2	pH (1% w/v aqueous solution)	Between 3.0 and 7.0	IP-2014
3.3	Bulk density (g/ml)	Not less than 0.25	IP-2014
3.4	Solubility in water (% w/w)	Not less than 70.0	IP-2014
3.5	Total ash (% w/w)	Not more than 15.0	IP-2014
4.0	PARTICLE SIZE ANALYSIS		
4.1	Material passing through #40 mesh (% w/w)	Not less than 95.0	Sieve analysis
5.0	PHYTOCHEMICAL ANALYSIS		
5.1	Total withanolides content, on dry weight basis (% w/w)	Not less than 2.5	By HPLC
6.0	TEST FOR CONTAMINANTS		
6.1.1	Lead (ppm)	Not more than 1.0	ICP-MS
6.1.2	Arsenic (ppm)	Not more than 1.0	ICP-MS
6.1.3	Cadmium (ppm)	Not more than 0.3	ICP-MS
6.1.4	Mercury (ppm)	Not more than 0.1	ICP-MS
6.2	Residual solvents	To comply with USP <467> limits	By GC
6.3	Pesticide residues (EU row, on request)	To comply with EU Reg. 396/2005	LC-MS/MS, GC-MS/MS
7.0	MICROBIOLOGICAL ANALYSIS		
7.1	Total plate count (cfu/g)	Not more than 1,000	USP <2021>
7.2	Yeast and moulds (cfu/g)	Not more than 100	USP <2021>
7.3	Escherichia coli	Absent	USP <2022>
7.4	Salmonella spp.	Absent / 25 g	USP <2022>
7.5	Staphylococcus aureus	Absent	USP <2022>
8.0	STORAGE AND PACKING		
8.1	Storage	Store in a cool, dry place away from direct light, in sealed containers	—
8.2	Packing	25 kg HDPE drum with inner PE liner; 1 kg and 5 kg sample pouches	—
8.3	Shelf life	36 months from the date of manufacture, unopened	—

Remarks: The above specification defines the quality standard for SV Botanica Ashwagandha Dry Extract 2.5% (Export Grade).

* The product is of herbal origin; slight colour variation may occur due to geographical and seasonal variation in the raw material.

EXCIPIENT / CARRIER Refer lot documents	CULTIVATION Cultivated
SHELF LIFE 36 months from date of manufacture	STORAGE Store in tightly sealed containers in a cool place, protected from direct sunlight and heat.

