



HERBAL EXTRACT · EU GRADE

Shatavari Dry Extract 20%

Asparagus racemosus · Dried Roots

SAPONINS CONTENT

NLT 20%

BOTANICAL NAME Asparagus racemosus	PART USED Dried Roots	PREPARATION Dry extract	STANDARDIZATION Saponins
EXCIPIENT Dextrin	GRADE EU Grade	SHELF LIFE 36 months	COUNTRY India

S.NO	PARAMETER	SPECIFICATION / LIMITS	METHOD
1.0	ORGANOLEPTIC CHARACTERISTICS		
1.1	Colour	Light brown to dark brown	Visual
1.2	Odour	Characteristic	Organoleptic
1.3	Taste	Characteristic	Organoleptic
1.4	Texture	Free flowing powder, without lumps; hygroscopic in nature	Visual
2.0	IDENTIFICATION		
2.1	By Thin Layer Chromatography	TLC profile to comply with reference material with respect to all major bands	By TLC
3.0	PHYSICO-CHEMICAL PARAMETERS		
3.1	Loss on drying (% w/w)	Not more than 6.0	USP <731>
3.2	Bulk density (g/ml)	Between 0.30 and 0.80	USP <616>
3.3	Water soluble extractive (% w/w)	Not less than 70.0	USP <561>
4.0	PARTICLE SIZE ANALYSIS		
4.1	Material passing through #40 mesh (% w/w)	Not less than 95.0	USP <786>
5.0	PHYTOCHEMICAL ANALYSIS		
5.1	Content of Total Saponins (% w/w)	Not less than 20.0	By Gravimetric Method
6.0	TEST FOR CONTAMINANTS		
6.1.1	Lead (ppm)	Not more than 3.0	ICP-MS / ICP-OES
6.1.2	Arsenic (ppm)	Not more than 1.0	ICP-MS / ICP-OES
6.1.3	Cadmium (ppm)	Not more than 1.0	ICP-MS / ICP-OES
6.1.4	Mercury (ppm)	Not more than 0.1	ICP-MS / ICP-OES
6.2	Residual solvents	To comply with EU Directive 2009/32/EC & 2016/1855/EC	GC-MS / GC-MS/MS
6.3.1	4 PAH (sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene & chrysene) (ppb)	Not more than 50.0	GC-MS/MS
6.3.2	Benzo(a)pyrene (ppb)	Not more than 10.0	GC-MS/MS
6.4.1	Aflatoxin B1 (ppb)	Not more than 5.0	By HPLC-FLD
6.4.2	Aflatoxins B1+B2+G1+G2 (ppb)	Not more than 10.0	By HPLC-FLD
6.5	Residual pesticides	To comply with EU Regulation (EC) 396/2005	GC-MS/MS, LC-MS/MS
7.0	MICROBIOLOGICAL ANALYSIS		
7.1	Total Aerobic Microbial Count (cfu/g)	Not more than 10,000	USP <2021>
7.2	Total Yeast & Mould Count (cfu/g)	Not more than 1,000	USP <2021>
7.3	Escherichia coli	Negative / 10 g	USP <2022>
7.4	Salmonella sp.	Negative / 10 g	USP <2022>
7.5	Staphylococcus aureus	Negative / 10 g	USP <2022>
7.6	Pseudomonas aeruginosa	Negative / 10 g	USP <2022>

Remarks: The above specification defines the quality standard for SV Botanica Shatavari Dry Extract 20% (EU Grade).

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

EXCIPIENT / CARRIER Dextrin	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.

