NATURE SCIENCE TECHNOLOGIES

E-mail: inquiries@nstchemicals.com
nstchemicals.com
Phone: +371 24220280

QUALITY SPECIFICATION

Astragalus Extract

Catalog No.: NST-8-11

CAS No.: 94166-93-5

Source: *Astragalus Membranaceus* Bung.

Part used: root

Shelf life: 24 months

No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Brown	Visual
3.	Identification	Conforms	TLC
4.	Assay (Astragaloside IV)	≥5.0 %	HPLC
5.	Odor	Characteristic	Organoleptic
6.	Taste	Characteristic	Organoleptic
7.	Sulfated ash	≤5.0 %	Ph. Eur. 2.4.14
8.	Loss on drying	≤5.0 %	Ph. Eur. 2.8.17
9.	Mesh size/sieve	≥95 % pass 80 mesh	80 mesh
10.	Bulk density	≤0.8 g/ml	Density meter
11.	Solvent residues	Ph. Eur. 2.4.24	Ph. Eur. 2.4.24
12.	Pesticide residues	EC 396/2005	Third lab
13.	Ethylene oxide	EC 396/2005	HACCP
14.	Benzo[a]pyrene	(EU) 2023/915	HPLC
15.	PAHs	(EU) 2023/915	HPLC
16.	Heavy Metals	≤10 ppm	ICP-MS

17.	Lead	≤2 ppm	ICP-MS
18.	Arsenic	≤1 ppm	ICP-MS
19.	Mercury	≤0.1 ppm	ICP-MS
20.	Cadmium	≤1 ppm	ICP-MS
21.	TPC	$<10^3$ CFU/g	AOAC,BAM
22.	TYMC	$<10^2$ CFU/g	AOAC,BAM
23.	*Escherichia Coli*	Absent	AOAC,BAM
24.	*Salmonella*	Absent	AOAC,BAM
25.	*Staphylococcus aureus*	Absent	AOAC,BAM

Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored