

QUALITY SPECIFICATION

Soybean Extract

Catalog No.: NST-8-5

Source: *Glycine max* (Linn.) Merr

Part used: soybean germs

Solvent used: water and ethanol

Shelf life: 24 months

No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Light brown to light yellow	Visual
3.	Identification	Conforms	TLC
4.	Assay (Total Isoflavones)	≥40.0 %	HPLC
	Daidzin		HPLC
	Glycitin		HPLC
	Genistin		HPLC
	Daidzein		HPLC
	Glycitein		HPLC
	Genistein	≥2.0 %	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	0.3 – 0.65 g/ml	Density meter

11.	Tapped density	0.55 – 0.95 g/ml	Density meter
12.	Solvent residues	Ph. Eur. 2.4.24	Ph. Eur. 2.4.24
13.	Pesticide residues	EC 396/2005	Third lab
14.	Ethylene oxide	EC 396/2005	HACCP
15.	Benzo[a]pyrene	(EU) 2023/915	HPLC
16.	PAHs	(EU) 2023/915	HPLC
17.	Heavy Metals	≤10 ppm	ICP-MS
18.	Lead	≤2 ppm	ICP-MS
19.	Arsenic	≤1 ppm	ICP-MS
20.	Mercury	≤0.1 ppm	ICP-MS
21.	Cadmium	≤1 ppm	ICP-MS
22.	TPC	<10 ³ CFU/g	AOAC,BAM
23.	TYMC	<10 ² CFU/g	AOAC,BAM
24.	<i>Escherichia Coli</i>	Absent	AOAC,BAM
25.	<i>Salmonella</i>	Absent	AOAC,BAM
26.	<i>Staphylococcus aureus</i>	Absent	AOAC,BAM

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

Stability: 24 months when properly stored