NATURE SCIENCE TECHNOLOGIES

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

QUALITY SPECIFICATION

Ginkgo Biloba Extract

Catalog No.: NST-8-15

CAS No.: 90045-36-6

Source: *Ginkgo biloba L.*

Part used: leaf

Solvent used: water and ethanol

Extract ratio: 50:1

Shelf life: 24 months

No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Brown	Visual
3.	Identification	Conforms	TLC
4.	Assay (Total Flavone Glycosides)	≥24.0 %	HPLC
5.	Assay (Total Terpene Lactones)	≥6.0 %	HPLC
6.	Assay (Ginkgolic Acid)	≤1 ppm	HPLC
7.	Odor	Characteristic	Organoleptic
8.	Taste	Characteristic	Organoleptic
9.	Sulfated ash	≤5.0 %	Ph. Eur. 2.4.14
10.	Loss on drying	≤5.0 %	Ph. Eur. 2.8.17
11.	Mesh size/sieve	≥95 % pass 80 mesh	80 mesh
12.	Bulk density	≤0.8 g/ml	Density meter
13.	Solvent residues	Ph. Eur. 2.4.24	Ph. Eur. 2.4.24
14.	Pesticide residues	EC 396/2005	Third lab

15.	Ethylene oxide	EC 396/2005	HACCP
16.	Benzo[a]pyrene	(EU) 2023/915	HPLC
17.	PAHs	(EU) 2023/915	HPLC
18.	Heavy Metals	≤10 ppm	ICP-MS
19.	Lead	≤2 ppm	ICP-MS
20.	Arsenic	≤1 ppm	ICP-MS
21.	Mercury	≤0.1 ppm	ICP-MS
22.	Cadmium	≤1 ppm	ICP-MS
23.	TPC	$<10^3$ CFU/g	AOAC,BAM
24.	TYMC	$<10^2$ CFU/g	AOAC,BAM
25.	*Escherichia Coli*	Absent	AOAC,BAM
26.	*Salmonella*	Absent	AOAC,BAM
27.	*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