NATURE SCIENCE TECHNOLOGIES

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

QUALITY SPECIFICATION

Urolithin A

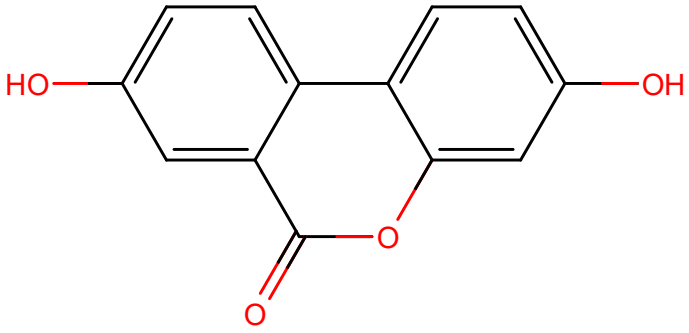
Catalog No.: NST-12-21

CAS No.: 1143-70-0

Molecular formula: $C_{13}H_8O_4$

MW: 228.20

Shelf life: 24 months



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Light yellow	Visual
3.	Odor	Characteristic	Organoleptic
4.	Taste	Characteristic	Organoleptic
5.	Identification	Complies with standard	TLC
6.	Assay	≥98.0%	HPLC
7.	Mesh size/sieve	≥95 % pass 80 mesh	80 mesh
8.	Bulk density	≤0.8 g/mL	Density meter
9.	Loss on drying	≤5.0 %	Ph. Eur. 2.8.17
10.	Sulfated ash	≤2.0 %	Ph. Eur. 2.4.14
11.	Pesticide residues	EC 396/2005	Ph. Eur.
12.	Benzo[a]pyrene	<10 ppb	HPLC
13.	Sum of PAHs	<50 ppb	HPLC
14.	Solvent residues	≤5000 ppm	GC
15.	Heavy Metals	≤10 ppm	ICP-MS
16.	Lead	≤2 ppm	ICP-MS

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

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

Stability: 24 months when properly stored