

QUALITY SPECIFICATION

Diosmin

Catalog No.: NST-10-126

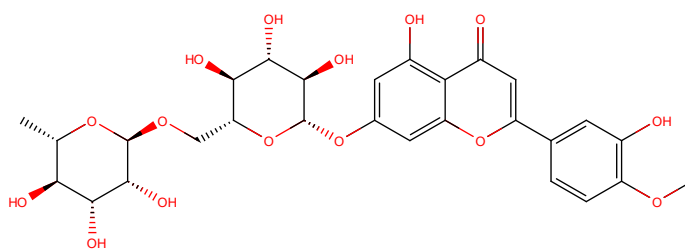
CAS No.: 520-27-4

Molecular formula: C₂₈H₃₂O₁₅

MW: 608.54

Source: *Citrus Aurantium L.*

Part used: fruit



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Light brown	Visual
3.	Identification	Conforms	IR&NMR&MS
4.	Assay	≥ 90.0 %	HPLC
5.	Sulfated ash	≤ 0.2 %	In house
6.	Water	≤ 6.0 %	In house
7.	Related substances Impurity A Impurity B Impurity C Impurity D Impurity E Impurity F Unspecified impurities (each impurity) Total impurities	≤ 0.5 % ≤ 4.0 % ≤ 3.0 % ≤ 0.6 % ≤ 3.0 % ≤ 2.0 % ≤ 0.4 % ≤ 8.5 %	HPLC
8.	Heavy Metals	≤10 ppm	ICP-MS

9.	Lead	≤ 2 ppm	ICP-MS
10.	Arsenic	≤ 1 ppm	ICP-MS
11.	Mercury	≤ 0.1 ppm	ICP-MS
12.	Cadmium	≤ 1 ppm	ICP-MS
13.	TPC	Not more than 10^3 CFU/g	ISO 6579:2002
14.	TYMC	Not more than 10^2 CFU/g	ISO 6579:2002
15.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
16.	<i>Salmonella</i>	Absent	ISO 6579:2002
17.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002

Storage: long term storage - airtight container +2 ... +8 °C

Stability: 24 months when properly stored