

QUALITY SPECIFICATION

Mangiferin

Catalog No.: NST-10-67

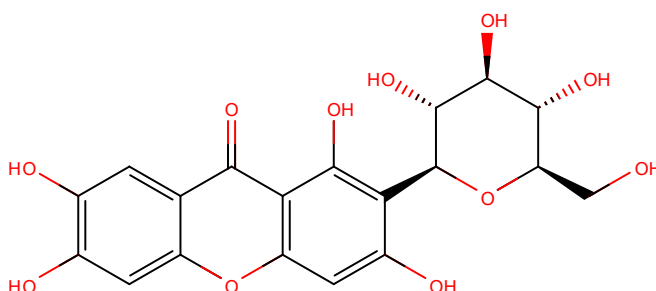
CAS No.: 4773-96-0

Molecular formula: C₁₉H₁₈O₁₁

MW: 422.34

Source: *Mangifera indica L*

Part used: leaf



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Light yellow	Visual
3.	Assay	≥95.0%	HPLC
4.	Sulfated ash	≤1.5 %	In house
5.	Loss on drying	≤3.0 %	In house
6.	Melting point	250°C-280°C	Melting point apparatus
7.	Specific rotation	26° to 36°	Polarimeter
8.	Heavy Metals	≤10 ppm	ICP-MS
9.	Lead	≤5 ppm	ICP-MS
10.	Arsenic	≤2 ppm	ICP-MS
11.	Mercury	≤0.2 ppm	ICP-MS
12.	Cadmium	≤0.3 ppm	ICP-MS
13.	Copper	≤5 ppm	ICP-MS
14.	Hexachlorobenzene	≤0.1 ppm	Third lab

15.	Pentachloronitrobenze	≤0.1 ppm	Third lab
16.	Pentachloroaniline	≤1 ppm	Third lab
17.	Pentachlorothioanisol	≤1 ppm	Third lab
18.	Lindane	≤0.6 ppm	Third lab
19.	DDT	≤0.1 ppm	Third lab
20.	Aldrin	≤0.02 ppm	Third lab
21.	TPC	Not more than 10 ³ CFU/g	ISO 6579:2002
22.	TYMC	Not more than 10 ² CFU/g	ISO 6579:2002
23.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
24.	<i>Salmonella</i>	Absent	ISO 6579:2002
25.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002
26.	<i>Aspergillum species</i>	Absent	ISO 6579:2002
27.	<i>Listeria, Pseudomonas</i>	Absent	ISO 6579:2002
28.	<i>Pseudomonas</i>	Absent	ISO 6579:2002
29.	<i>Aflatoxin (B1)</i>	≤5 ppb	ISO 6579:2002

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

Stability: 24 months when properly stored