

QUALITY SPECIFICATION

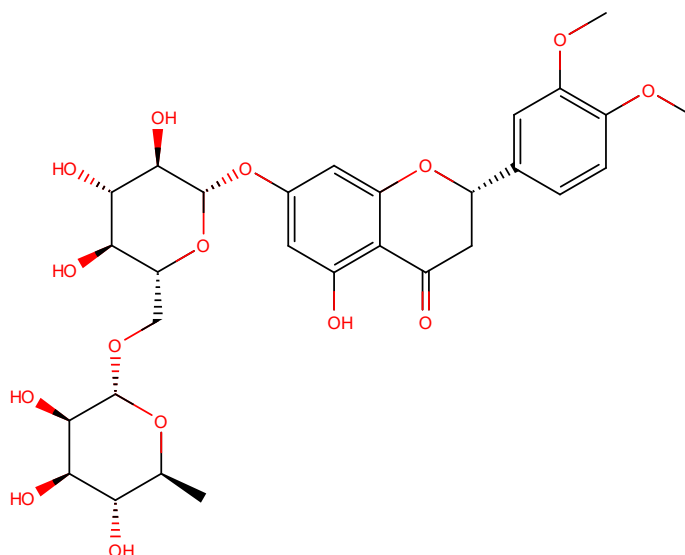
Methyl hesperidin

Catalog No.: NST-10-128

CAS No.: 11013-97-1

Molecular formula: C₂₉H₃₆O₁₅

MW: 624.59



No.	Parameter	Specification	Method
1.	Appearance	Crystalline powder	Visual
2.	Color	Orange-yellow or light yellow	Visual
3.	Identification A: 10mg + 10mL of 60% ethanol + Mg B: 10mg + 10mL of 60% ethanol + FeCl ₃	A: violet red color develops B: brown red color develops	In house
4.	Assay	≥94.0%	UV
		≥60.0%	HPLC
5.	Odor	Special foul odor	Organoleptic
6.	Taste	Bitter	Organoleptic
7.	pH value of 5% water solution	4.5-6.5	pH meter
8.	Sulfated ash	≤0.5 %	In house

9.	Loss on drying	≤5.0 %	In house
10.	Particle size	100% pass 80 mesh	80 mesh
11.	Untapped bulk density	0.5-0.75 g/ml	In house
12.	Tapped bulk density	0.7-0.95 g/ml	In house
13.	Methanol	≤3000 ppm	GC
14.	Ethanol	≤5000 ppm	GC
15.	<i>n</i> -Butanol	≤5000 ppm	GC
16.	Heavy Metals	≤10 ppm	ICP-MS
17.	Lead	≤2 ppm	ICP-MS
18.	Arsenic	≤1 ppm	ICP-MS
19.	Mercury	≤0.1 ppm	ICP-MS
20.	Cadmium	≤1 ppm	ICP-MS
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

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

Stability: 24 months when properly stored