

QUALITY SPECIFICATION

Methylhesperidin

Catalog No.: NST-10-128

CAS No.: 11013-97-1

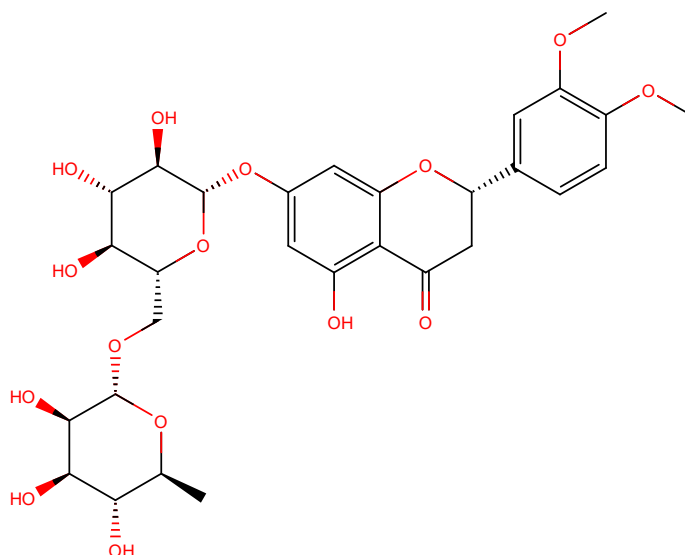
Molecular formula: C₂₉H₃₆O₁₅

MW: 624.59

Botanical name: *Citrus limon.sp*

Part used: fruits

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Yellow	Visual
3.	Identification	Conforms	TLC
4.	Assay	≥94.0 %	UV
5.	Odor	Characteristic	Organoleptic
6.	Taste	Characteristic	Organoleptic
7.	Mesh size/sieve	≥95% pass 80 mesh	80 mesh
8.	Residue on ignition	≤2.0 %	USP <281>
9.	Loss on drying	≤5.0 %	USP <731>
10.	Pesticide residues	USP <561>	Third lab
11.	Solvent residues	USP <467>	GC
12.	Heavy Metals	≤10 ppm	ICP-MS
13.	Lead	≤2 ppm	ICP-MS

14.	Arsenic	≤ 1 ppm	ICP-MS
15.	Mercury	≤ 0.1 ppm	ICP-MS
16.	Cadmium	≤ 1 ppm	ICP-MS
17.	TPC	$<10^3$ CFU/g	USP <2021>
18.	TYMC	$<10^2$ CFU/g	USP <2021>
19.	<i>Escherichia Coli</i>	Absent	USP <2022>
20.	<i>Salmonella</i>	Absent	USP <2022>
21.	<i>Staphylococcus aureus</i>	Absent	USP <2022>

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

Stability: 24 months when properly stored