

QUALITY SPECIFICATION

4-Hydroxycinnamic acid

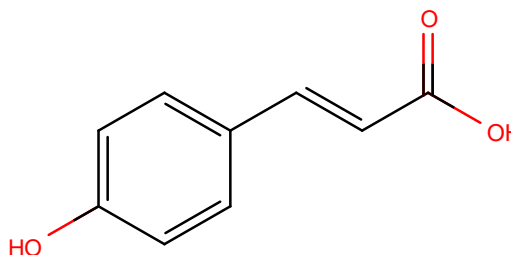
Catalog No.: NST-10-99

CAS No.: 501-98-4

Molecular formula: C₉H₈O₃

MW: 164.16

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Off-white to white	Visual
3.	Identification	Conforms	TLC&NMR
4.	Loss on drying	≤ 2.0 %	USP <731>
5.	Residue on ignition	≤ 0.2 %	USP <281>
6.	Melting point	210°C – 213°C	USP <741>
7.	Assay	≥ 99.0 %	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

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

Stability: 24 months when properly stored