

QUALITY SPECIFICATION

Ferulic acid

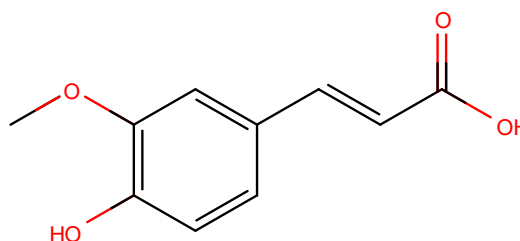
Catalog No.: NST-10-4

CAS No.: 1135-24-6

Molecular formula: $C_{10}H_{10}O_4$

MW: 194.18

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Powder	Visual
2.	Color	Light yellow	Visual
3.	Loss on drying	$\leq 5.0 \%$	USP <731>
4.	Residue on ignition	$\leq 2.0 \%$	USP <281>
5.	Assay	$\geq 99.0 \%$	HPLC
6.	Heavy Metals	≤ 10 ppm	ICP-MS
7.	Lead	≤ 2 ppm	ICP-MS
8.	Arsenic	≤ 1 ppm	ICP-MS
9.	Mercury	≤ 0.1 ppm	ICP-MS
10.	Cadmium	≤ 1 ppm	ICP-MS
11.	TPC	Not more than 10^3 CFU/g	USP <2021>
12.	TYMC	Not more than 10^2 CFU/g	USP <2021>
13.	<i>Escherichia Coli</i>	Absent	USP <2022>
14.	<i>Salmonella</i>	Absent	USP <2022>
15.	<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