

QUALITY SPECIFICATION

alpha-Arbutin

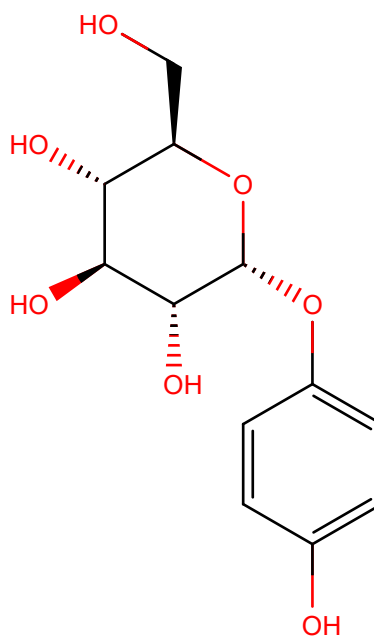
Catalog No.: NST-12-61

CAS No.: 84380-01-8

Molecular formula: C₁₂H₁₆O₇

MW: 272.25

Shelf life: 2 years



No.	Parameter	Specification
1.	Appearance	Powder
2.	Color	White
3.	Identification	Conforms
4.	Assay	≥98.0 %
5.	Residue on ignition	≤0.5 %
6.	Loss on drying	≤1.0 %
7.	pH	5.0-7.0
8.	Melting point	202 °C - 210 °C
9.	Specific optical rotation	+175.0° to +185.0°
10.	Transmittance	≥95 %
11.	Hydroquinone	≤10 ppm

12.	Heavy Metals	≤ 10 ppm
13.	Lead	≤ 2 ppm
14.	Arsenic	≤ 1 ppm
15.	Mercury	≤ 0.1 ppm
16.	Cadmium	≤ 1 ppm
17.	TPC	$< 10^3$ CFU/g
18.	TYMC	$< 10^2$ CFU/g
19.	<i>Escherichia Coli</i>	Absent
20.	<i>Salmonella</i>	Absent
21.	<i>Staphylococcus aureus</i>	Absent

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

Stability: 24 months when properly stored