

QUALITY SPECIFICATION

Ascorbyl glucoside

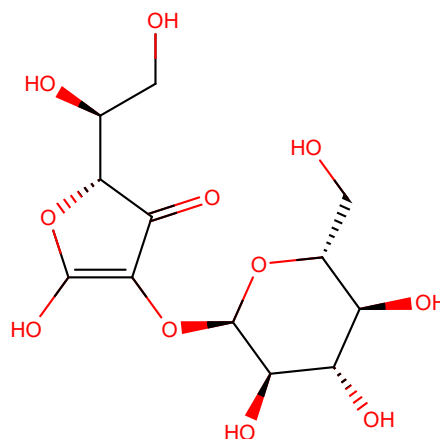
Catalog No.: NST-12-10

CAS No.: 129499-78-1

Molecular formula: C₁₂H₁₈O₁₁

MW: 338.27

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Powder	Visual
2.	Color	White	Visual
3.	Identification	Positive	TLC & NMR
4.	Meting point	158 °C - 163 °C	USP <741>
5.	Specific optical rotation	+186° to +188.0°	USP <781>
6.	pH	2.3 - 2.4	USP <791>
7.	Residue on ignition	≤0.2 %	USP <281>
8.	Water content	≤1.0 %	KF
9.	Free ascorbic acid	≤1.0 %	TLC
10.	Free glucose	≤0.1 %	HPLC
11.	Purity	≥98.0 %	HPLC
12.	Assay	≥98.0 %	HPLC
13.	Heavy Metals (Pb)	≤10 ppm	ICP-MS
14.	Arsenic	≤1 ppm	ICP-MS

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

Stability: 24 months when properly stored