

QUALITY SPECIFICATION

D-Biotin

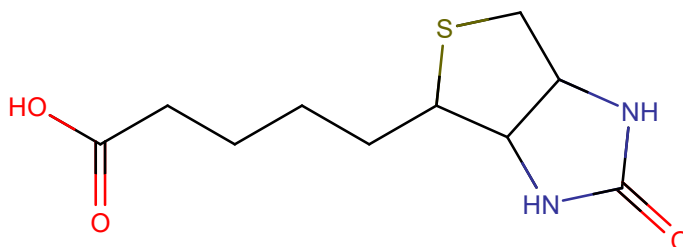
Catalog No.: NST-12-8

CAS No.: 58-85-5

Molecular formula: C₁₀H₁₆N₂O₃S

MW: 244.31

Shelf life: 3 years



No.	Parameter	Specification
1.	Appearance	Crystalline powder
2.	Color	White to off-white
3.	Assay	97.5%-102.0%
4.	Loss on drying	≤0.2 %
5.	Specific rotation	+89.0° to +93.0°
6.	Ashes	≤0.1 %
7.	Individual impurity	≤1.0 %
8.	Total impurities	≤2.0 %
9.	Heavy Metals	≤10 ppm
10.	Lead	≤2 ppm
11.	Arsenic	≤1 ppm
12.	Mercury	≤0.1 ppm

13.	Cadmium	≤ 1 ppm
14.	TPC	$<10^3$ CFU/g
15.	TYMC	$<10^2$ CFU/g
16.	<i>Escherichia Coli</i>	Absent
17.	<i>Salmonella</i>	Absent
18.	<i>Staphylococcus aureus</i>	Absent

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

Stability: 36 months when properly stored