



青岛润昌化工有限公司
QINGDAO SAMIN CHEMICAL CO.,LTD.

SPECIFICATION

Product Name	Biotin Pure
CAS No	58-85-5
Molecular Formula	C₁₀H₁₆N₂O₃S
Specification Version	USP38
Shelf Life	36 Months
Package	20kg/Drum

ITEM	SPECIFICATION
USP37	
Description and solubility	Practically white, crystalline powder Very slightly soluble in water and in alcohol insoluble in other common organic solvents
Identification	
A. Infrared absorption	To match with the reference IR spectrum
B. Specific Optical Rotation	Meet the requirements
C. HPLC	The retention time of the major peak of the sample solution corresponds to that of the standard solution, as mentioned in the assay
Assay	97.5~100.5%
Related compounds	
1. Individual impurity	≤ 1.0%
2. Total impurities	≤ 2.0%
Optical Rotation	+89~93
EP8	
Characters	White or almost white, crystalline
Identification	
A. IR	To match with the reference IR spectrum
B. TLC	Meet EP requirement
C. Color Reaction	The bromine water is decolourised
Appearance of solution	Clear and colourless
Specific Optical Rotation	+89~93
Related substances	Meet EP requirement
Heavy Metals	≤ 10ppm
Loss on drying	≤ 1.0%
Sulphated ash	≤ 0.1%
Assay	98.5~101.0%

Storage: Store in cool and dry place, in a well-close container, keep away from strong light and heat.