



Zhejiang NHU Pharmaceutical Co., Ltd.
Hangzhou Bay Shangyu Economic and Technological
Development Area, Zhejiang province, China
Tel: +86-575-86124477
Fax: +86-575-86131560
E-Mail: sales@cnhu.com
Website: <http://www.cnhu.com/>
Review Time: Feb.03,2021

SPECIFICATION D-Biotin

Product Name	D-Biotin
Product Number	SPVH01
Synonyms	1H-Thieno[3,4-d]imidazole-4-pentanoic acid ; Vitamin H ;Biotin
Molecular Formula	$C_{10}H_{16}N_2O_3S$
Molecular Weight	244.31
CAS	58-85-5
Appearance	A White or off-white crystalline powder.
Solubility	Very slightly soluble in water and in alcohol, practically insoluble in acetone. It dissolves in dilute solutions of alkali hydroxides.
Identification	A. Infrared absorption: Conform. B. Optical rotation: Conform. C. HPLC: Conform.
Assay	97.5%~102.0%, by HPLC.
Impurities	Individual impurity NMT1.0%, total impurities NMT 2.0%, by HPLC.
Optical rotation	+ 89°~+ 93°.
Stability	The product is fairly stable to air, heat and light. It is stable for at least 36 months, if it is kept in the unopened original container.
Packing	20 kg paper drum, 5 kg, 1kg Aluminium tin paper carton , 1kg Aluminum foil bags or on customer's request.
Storage	Store in tight containers in dry place.

This product comply with USP43 requirements.