

BIOTIN PURE

SPECIFICATION

Product Name;	Biotin
Product Number	SLVH01
Synonyms	1H-Thieno[3,4-d] imidazole-4-pentanoic acid ; Vitamin H ; d-Biotin
Molecular Formula	C ₁₀ H ₁₆ N ₂ O ₃ S
Molecular Weight	244.31
CAS	58-85-5
Appearance	A 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	(IR)Correspond Identification B Identification (TLC) correspond.
Identification C	(Reaction with bromine water) correspond.
Appearance of solution	Solution S(EP) is clear and colorless.
Assay	98.5%~100.5%
Specific optical rotation	+ 89°~+ 93°
Melting point	229~232 oC
Heavy metals	≤ 0.001%
Sulphated ash	≤ 0.1%
Loss on drying	≤ 0.5%
Related substances	Any impurity shall not more than 0.5%; At most one impurity more than 0.25%.
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 at max. 25 oC.
Packing	25 kg steel drum, 20 kg paper carton, 10 kg,5 kg,2.5 kg ,1 kg Aluminium tin paper carton or on customer's request.
Storage	Storage in dry place, the temperature is low to 25oC

This product comply with USP /EP requirements.

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