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> Version: 1.00.0000 Date: 06.02.2024

SPECIFICATION

Product name Product code Production site Trade name		D-Biotin SPVH01 Zhejiang NHU Pharmaceutical D-Biotin pure Food Grade (USP2022/EP9.	4)	
Description Ingredients Synonym Formula CAS No		D-Biotin pure Vitamin H; Biotin; 1H-Thieno[3,4-d]imidazole-4-pentanoi $C_{10}H_{16}N_2O_3S$ 58-85-5	c acid	
Properties Shelf life Aspect		36 months after production date in un packaging A white or almost white, crystalline po colourless crystals, clear and colourless	wder or	
Assay (Titration, 0,1 N NaOH Assay (HPLC) Loss on drying Solubility	1)	solution of sodiumhydroxide 98,5 % - 101 % 97,5 % - 102 % max. 0,2 % Very slightly soluble in water and in alcohol, practically insoluble in acetone. It dissolves in diluted solutions of alkali hydroxides		
Identification	A B C C	Ph. Eur.: IR Ph. Eur.: TLC Ph. Eur.: Reaction with bromine water USP: (HPLC) The retention time of the sample solution corresponds to that of	major peak of the	
		solution, as obtained in the Assay	the standard	
Specific optical rotation Melting point Sulphated ash		+ 89° – + 93 ° (Ph. Eur., USP, FCC) 229 °C – 232 °C (FCC) max. 0,1 %		
Heavy metals Arsenic (As) Lead (Pb) Cadmium (Cd) Mercury (Hg)		max. 1 mg/kg max. 0,5 mg/kg max. 0,5 mg/kg max. 0,1 mg/kg		
Bank account EUR	Bank	k account USD	NHU EUROPE GMBH	

Bank account EUR Deutsche Bank AG DE 53 2407 0075 0019 5222 00 DEUTDE2H240 Bank account USD Deutsche Bank AG DE 53 2407 0075 0019 5222 0005 DEUTDE2H240 NHU EUROPE GMBH VAT Nr: DE 300 149 623 I Company license Nr: HRB 205610 District Court: Lüneburg/Germany General Manager: Thomas Hoops



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Microbiological specs		
Total plate count	≤ 1000 CFU/g	
Mould and Yeast	≤ 100 CFU/g	
E. coli	Negative (in 1 g)	
Salmonella spp.	Negative (in 25 g)	
Related substances	Ph. Eur.: TLC: Any impurity obtained in test not be more intense than that in ref (b) (0, most one of ref (c) (0,25 %) USP: HPLC: Individual impurity not more th total impurities not more than 2,0 %	5 %) and at
Organic volatile impurity	Meets USP requirements	
Handling		
Stability	The product is stable to air, heat and light	
Storage	Store in a tight container in a dry place	
Usage	For cosmetic and food industry, product ca used as feed additive which consists of Bio dosage in feed: as per latest version of Eur feedstuff law	tin (3a880)
Transport instructions	See our latest safety data sheet	

NHU EUROPE GmbH

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