



NHU EUROPE GmbH, Daimlerstrasse 14-16, D-21357 Bardowick

TO WHOM IT MAY CONCERN

NHU EUROPE GmbH
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SPECIFICATION

D-Biotin Pure Feed Grade

Ingredients

Description

Synonym

Formula

Product code

CAS No

Properties

Shelf life

Aspect

Appearance of solution

Assay (Titration, 0,1 N NaOH)

Loss on drying

Solubility

Identification

Specific optical rotation

Melting point

Sulphated ash

Heavy metals

Arsenic (As)

Lead (Pb)

Mercury (Hg)

Cadmium (Cd)

The feed additive consists of D-(+)-Biotin (3a880)
5-[(3a*S*,4*S*,6a*R*)-2-oxohexahydrothieno[3,4-*d*]imidazol-4-yl]pentanoic acid, Vitamin H, Biotin

$C_{10}H_{16}N_2O_3S$

SLVH01

58-85-5

36 months after production date in unopened original packaging

A white or almost white, crystalline powder or colourless crystals,

clear and colourless of 10g/L in 4 g/L solution of sodium hydroxide

98,5 % - 101,0 %

max. 1,0 %

Very slightly soluble in water and in alcohol, practically insoluble in acetone. It dissolves in diluted solutions of alkali hydroxides

A

IR

B

TLC

C

Reaction with bromine water

+ 89° - + 93 °

229 °C – 232 °C (FCC)

Max. 0,1 %

Max. 10 mg/Kg

Max. 1 mg/Kg

Max. 2 mg/Kg

Max. 0,1 mg/Kg

Max. 1,0 mg/Kg



| | |
|---------------------------|---|
| Related substances | PhEur: TLC: Any impurity obtained in test sol. (a) shall not be more intense than that in ref (b) (0,5 %) and at most one of ref (c) (0,25 %) |
| Organic volatile impurity | Meets USP requirements |
| Handling | |
| Stability | The product is fairly stable to air, heat and light |
| Storage | Store in a tight container in a dry place |
| Usage and Dosage | as per latest version of European feedstuff law. |

The product meets the requirements of EP 9.0.

NHU EUROPE GmbH