

SPECIFICATION

Vitamin B6 Pyridoxine Food Grade (EP/USP/FCC)

Production unit

Shandong NHU Fine Chemical Science and Technology

Description

Ingredients

Pyridoxine hydrochloride

Synonym

6-methyl-5-hydroxy-3,4-pyridinedimethanol
hydrochloride

Formula

$C_8H_{12}ClNO_3$

Product code

SPB6-03

CAS No

58-56-0

Properties

Shelf life

36 months in unopened original packaging

Aspect

White or almost white crystalline powder

Assay

99 – 101 % (EP)

Particle size distribution

> 98 % through 60 mesh

> 90 % through 80 mesh

Identification A, B, C

EP: First identification: B, D

Second identification: A, C, D

A: Ultraviolet and visible absorption spectrophotometry

B: Infrared absorption spectrophotometry

C: Thin-Layer chromatography

D: Solution S gives reaction of chlorides

USP: A. Infrared absorption

B: Reaction of chlorides

Chloride (on dry basis)

16,9 % - 17,6 %

pH

2,4 – 3,0

Loss on drying

≤ 0,5 %

Appearance of solution

Clear, not more intense than Y7

Sulphated ash

≤ 0,1 %

Residual solvents

≤ 0,5 % (Ethanol)

Related substances (disregard limit 0,05 %)

Impurity B

≤ 0,15 %

Unspecified impurity, for each impurity

≤ 0,10 %

Total impurities

≤ 0,20 %

Heavy metals	≤ 10 mg/kg
Arsenic (As)	≤ 0,5 mg/kg
Lead (Pb)	≤ 0,2 mg/kg
Mercury (Hg)	≤ 0,1 mg/kg
Cadmium (Cd)	≤ 0,5 mg/kg

Microbiological specs	
Total plate count	< 100 CFU/g
Mould and Yeast	< 10 CFU/g
E. coli	< 0,3 MPN/g
Salmonella	Negative in 25 g
Staph. aureus	Negative in 25 g

Handling	
Usage	for cosmetic and food industry
Storage	In unopened original packing in a dry and cool place, protected from sun light.
Transport instructions	Please see our latest MSDS.

NHU EUROPE GmbH

Vitamin B6 Pyridoxine/SPB6-03/überarbeitet und freigegeben: 210623/av

Bank account EUR
Deutsche Bank AG
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DEUTDE2H240

Bank account USD
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