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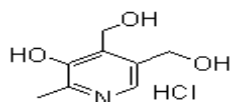
Vitamin B6 (Pyridoxine Hydrochloride)

CAS No.: 58-56-0

Molecular Weight: 205.64

Molecular Formula: $C_8H_{11}NO_3 \cdot HCl$

Structural Formula:



Property:

The melting point of Vitamin B6 is 214°C. The water solubility is 0.1g/ml (20 °C). Vitamin B6 is a water-soluble vitamin and is part of the Vitamin B complex group. Several forms of the Vitamin are known, but Pyridoxal Phosphate (PLP) is the active form and is a cofactor in many reactions of Amino Acid Metabolism, including Transamination, Deamination, and Decarboxylation. PLP also is necessary for the enzymatic reaction governing the release of Glucose from Glycogen.

Specification:

appearance	Colorless or white crystals or white crystalline powder
Chloride content	16.9%-17.6%
Lead NMT	2mg/kg
Loss on drying NMT	0.5%
Residue on ignition NMT	0.1%
Assay	98.0%-100.5%
Heavy metals	
Lead NMT	2.0mg/kg
Cadmium NMT	1.0mg/kg
Arsenic NMT	1.0mg/kg
Mercury NMT	0.1mg/kg
Microbials	
Total Plate Count NMT	100 cfu/g
Yeast and Mold NMT	10 cfu/g
E.Coli	Negative
Salmonella	Negative
S.Aureus	Negative
Melamine NMT	0.005mg/kg

Usage:

(1) One of the indispensable ingredients of mixed feed, promotes growth and development of immature animals;

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- (2) Additive of food and beverage, reinforces nutrition;
- (3) Additive of cosmetics, promotes growth of hair and protects the skin;
- (4) Culture medium of plants, promotes growth of plants;
- (5) For treatment of surfaces of polycaprolactam products, enhances the thermal stability

Package and Storage:

Vitamin B6 is packed in 25kg cardboard drum/carton and 10kg cardboard drum.
Vitamin B6 should be stored in cool and air place.

Shelf life:

Vitamin B6 has 2 years in original packages under the described conditions.

Keyword:

Vitamin B6, 2,4-Dimethyl-5-(Phosphonatooxymethyl)Pyridin-3-Ol, Pyridoxine Hydrochloride