



# CERTIFICATE OF ANALYSIS

**Product name: Vitamin B<sub>6</sub> (Pyridoxine Hydrochloride)**

**Batch No.: PH20116017**

Manufacturing date	Nov 9, 2020	Reporting date	Nov 12, 2020
Retest date	Nov 8, 2024	Article No.	03103
Package	25 kg per carton	Package size	390 × 290 × 320 (mm)
Ref. pharmacopoeia(s)	BP2020, USP42	Quantity	5,000 kg

Test Item	Specification	Result	
BP2020	Appearance	A white or almost white crystalline powder	Comply
	Melting point	About 205°C	204.7°C
	Identification	B: IR absorption; D: Reaction (a) of chlorides	Comply
	Appearance of solution	Clear, not more intense than Y <sub>7</sub>	Comply
	pH	2.4 ~ 3.0	2.9
	Loss on drying	≤0.5%	0.02%
	Sulphated ash	≤0.1%	0.02%
	Related substances		
	- Impurity B	≤0.15%	Not detected
	- Unspecified impurity	≤0.10%	<0.05%
- Total impurities	≤0.2%	<0.05%	
- Disregard limit: 0.05%			
Assay (on dry basis)	99.0% ~ 101.0%	99.6%	
USP42	Identification	A: IR absorption; B: Test of chloride	Comply
	Loss on drying	≤0.5%	0.02%
	Residue on ignition	≤0.1%	0.02%
	Residual solvent - Ethanol	≤0.5%	<0.01%
	Chloride	16.9% ~ 17.6%	17.2%
	Assay (on dry basis)	98.0% ~ 102.0%	99.6%

**Conclusion:** *This batch complies with the specification of BP2020 and USP42.*

**Remark:** Preserve in a tightly closed container, protected from light.

Reported by:

Approved by: