



## Specification

Concerning Product:	
Article number	58560V02
Trade name / designation / denomination	Vitamin B6 HCl (Pyridoxin HCl), EP/BP/USP
CAS number	58-56-0
Other names / synonyms	•4,5-bis(hydroxymethyl)-2-methyl-3-pyridinol hydrochloride; •pyridoxine hydrochloride;
EC number	200-386-2
Customs tariff number / CN code / TARIC	29362500
Molecular weight [g / mol]	205.63878
Formula	C <sub>8</sub> H <sub>12</sub> ClNO <sub>3</sub>

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance of solution	BP2023	clear, not more intense than Y7	
Appearance		white or almost white crystalline powder	
<b>Physical parameter</b>			
Loss on drying	USP2022	≤ 0,5	%
pH value	BP2023	2,4 – 3,0	
<b>Identity</b>			
Assay	BP2023	99,0 – 101,0	%
Identification	USP2022	(1) should be positive reaction	
Identification	USP2022	(2) Consistent with the reference IR spectra	
Melting Point (identity)	BP2023	~ 205	°C
<b>Impurities</b>			
Heavy Metals (as Pb)	USP2022	≤ 10	ppm
Sulphated ash	BP2023	≤ 0,1	%
Impurity	BP2023	B: ≤ 0,15	%
Impurity	BP2023	Total impurities: ≤ 0,20	%
Impurity	BP2023	Unspecified impurities: ≤ 0,10	%
Related substances	BP2023	(Disregard limit 0,05%)	

<b>Elemental Impurities</b>			
Arsenic (As)	ICP/MS	≤ 1,0	ppm
Cadmium (Cd)	ICP/MS	≤ 1,0	ppm
Chlorides (Cl)	USP2022	16,9 – 17,6	%
Mercury (Hg)	ICP/MS	≤ 0,1	ppm
Lead (Pb)	ICP/MS	≤ 0,5	ppm
<b>Microbiological data</b>			
Escherichia Coli.	CH.P.2020	Neg.	CFU/g
Salmonella	CH.P.2020	neg. in 10 g	
Staphylococcus Aureus	CH.P.2020	neg.	
Total Plate Count	CH.P.2020	≤ 1000	CFU/g
Yeast and Mould	CH.P.2020	≤ 100	CFU/g

**Supplemental information:**

**Shelf life:** 3 years

**Complies with monographie:** EP10.0, USP2022, BP2023, FCC11

**Regional origin:** CN

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 11. Jul. 2025

LF-Basis: (AZ-2025-02-12)

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