**Supplied by LiquidShop**
Item No.: PYRIDOXINE_HCL
Revision: 00 Date: 2026-10-08

# Product Specification Sheet

## 1. Product Description

| | |
|---|---|
| **Product Name:** | Pyridoxine Hydrochloride (Vitamin B6) — Bulk Food Grade |
| **Chemical / Common Name:** | Pyridoxine hydrochloride |
| **Synonyms:** | Vitamin B6, Pyridoxine HCl |
| **Ingredient Statement:** | Pyridoxine hydrochloride |
| **Molecular Formula / Weight:** | C8H11NO3·HCl / 205.64 g/mol |
| **CAS No. / HS Code:** | 58-56-0 / — |
| **Grade:** | ☐ Conventional ☐ Organic ☒ Food Grade ☒ USP / FCC |
| **Country of Origin:** | — |
| **Description:** | White or off-white, odourless powder meeting the USP monograph. |

## 2. Physical & Chemical Characteristics

| Parameter | Specification | Method |
|---|---|---|
| Colour | White or off-white | Organoleptic |
| Physical State | Powder | Visual |
| Odour | Odourless | Organoleptic |
| Identification A: IR Absorption | Complies | USP |
| Identification B: Reaction of Chlorides | Complies | USP |
| Loss on Drying (%) | ≤ 0.5 | USP |
| Residue on Ignition (%) | ≤ 0.1 | USP |
| Assay, dried basis (%) | 99.0 – 102.0 | USP |
| Chloride Content (%) | 16.9 – 17.6 | USP |
| pH | 2.4 – 3.0 | USP |
| Appearance of Solution | Clear, ≤ Y7 | USP |
| Related Substances | Meets the requirements | USP |

## 3. Contaminants

| Parameter | Specification | Method |
|---|---|---|
| Heavy Metals (ppm) | ≤ 20 | USP |
| Lead (Pb) (ppm) | ≤ 0.5 | USP |
| Cadmium (Cd) (ppm) | ≤ 1 | USP |
| Arsenic (As) (ppm) | ≤ 1 | USP |
| Mercury (Hg) (ppm) | ≤ 0.1 | USP |

## 4. Microbiological Characteristics

| Parameter | Specification | Method |
|---|---|---|
| Not specified | — | — |

## 5. Allergen Declaration

| Priority Allergen (Health Canada) | Present in Product | Same Line / Facility |
|---|---|---|
| Peanuts | ☐ Yes ☒ No | ☐ Yes ☐ No |

| Priority Allergen (Health Canada) | Present in Product | Same Line / Facility |
|---|---|---|
| Tree nuts | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Sesame seeds | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Milk | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Eggs | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Fish | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Crustaceans & molluscs | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Soy | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Wheat & triticale | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Gluten (barley, oats, rye) | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Mustard | ☐ Yes ☒ No | ☐ Yes ☐ No |
| Sulphites (≥ 10 ppm) | ☐ Yes ☒ No | ☐ Yes ☐ No |

## 6. Regulatory Status

| | |
|---|---|
| **GMO Status:** | ☒ Non-GMO ☐ Contains GMO ☐ Not applicable |
| **Irradiation:** | ☐ Not irradiated ☐ Irradiated |
| **Certifications:** | ☒ Kosher ☐ Halal ☐ Organic ☐ Vegan ☐ Other: _____ |
| **BSE / TSE Statement:** | Synthetic product, not of animal origin. Free from BSE/TSE risk. |
| **Standard of Quality:** | Meets the USP monograph for Pyridoxine Hydrochloride. |

## 7. Packaging, Storage & Shelf Life

| | |
|---|---|
| **Uses:** | Vitamin B6 fortification of beverages, foods and supplements. |
| **Packaging:** | Food-grade sealed pouches, repacked from the manufacturer's original packaging. |
| **Storage Conditions:** | Store in an unopened container under cool, dry conditions. |
| **Shelf Life:** | 1460 days (4 years) when stored in an unopened container under cool, dry conditions. |
| **Lot Code Format:** | YYYYMMDDNN (repack date + sequence), traceable to the manufacturer lot. |

## 8. Quality Assurance Review

**Reviewed By (QA):** LiquidShop Quality Assurance **Review Date:** 2026-10-08

**This document was prepared electronically and reviewed by LiquidShop Quality Assurance. It is valid without a signature.**

*The information contained in this document is accurate to the best of our knowledge. It is the responsibility of the user to ensure the product is suitable for its intended application and complies with applicable regulations.*