



## Certificate of Analysis

### Pyridoxine HCl USP/BP

**Catalog Number:** PD1002  
**Lot Number:** 0612704r1  
**CAS Number:** 58-56-0  
**Molecular Formula:**  $C_8H_{11}NO_3 \cdot HCl$   
**Molecular Weight:** 205.64  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** August 7, 2016  
**Retest Date:** February 6, 2020 (new retest date)

Test	Specification	Result
Appearance	White to off-white crystalline powder	Conforms
Assay (Dried Basis)	99.0% - 101.0%	99.8%
Appearance of Solution	Clear, not more intense than Y7	Conforms
Identification		
Positive Reaction	Positive	Conforms
FTIR	Consistent with reference spectra	Conforms
Melting Point	205°C to 209°C	206.5°C
pH Value	2.4 to 3.0	2.8
Moisture (LOD)	≤ 0.50%	0.05%
Residue on Ignition	≤ 0.10%	0.06%
Chloride	16.9% - 17.6%	17.3%
Heavy Metal	≤ 10ppm	< 10ppm
Arsenic	≤ 1.0ppm	< 1.0ppm
Cadmium	≤ 1.0ppm	< 1.0ppm
Lead	≤ 2.0ppm	< 2.0ppm
Mercury	≤ 0.1ppm	< 0.10ppm
Related Substances		
B impurity	≤ 0.15%	0.00%
Unspecified Impurities	≤ 0.10%	0.02%
Total Impurities	≤ 0.20%	0.04%
Total Plate Count	≤ 1,000cfu/g	< 1,000cfu/g
Yeast & Mold	≤ 100cfu/g	< 100cfu/g
<i>E. Coli</i>	Negative	Conforms
<i>Salmonella</i>	Negative	Conforms
<i>Staphylococcus Aureus</i>	Negative	Conforms
This lot meets the specifications for USP38/BP2015.		

Approved by:

John Grubb, PhD

Date: June 11, 2019



# Gojira Fine Chemicals, LLC

**Quality Products & Services Meeting Customer Needs**  
5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146  
[www.gojirafc.com](http://www.gojirafc.com) • [sales@gojirafc.com](mailto:sales@gojirafc.com)

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Gojira Fine Chemicals, LLC  
Quality Manager  
Tel: 440-539-7033 Fax: 888-211-5523  
[john@gojirafc.com](mailto:john@gojirafc.com)