



## Certificate of Analysis

### Histamine Dihydrochloride EP

**Catalog Number:** HD1002  
**Lot Number:** 0822702  
**CAS Number:** 56-92-8  
**Synonym(s):** 2-(4-Imidazolyl)ethylamine dihydrochloride  
**Molecular Formula:**  $C_5H_9N_3 \cdot 2HCl$   
**Molecular Weight:** 184.07  
**Storage:** 2°C – 8°C  
**Date of Manufacture:** June 12, 2017  
**Retest Date:** June 11, 2019

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay	98.5% - 101.0%	99.25%
Solubility	Clear	Conforms
pH	2.85 – 3.60	3.47
Moisture (LOD)	≤ 0.5%	0.22%
Sulfate	≤ 0.02%	< 0.2%
Sulfate Ash	≤ 0.1%	0.04%
Heavy Metals	≤ 10ppm	< 10ppm
Arsenic	≤ 10ppm	< 10ppm
Histidine (TLC)	Not detected	Conforms

Approved by:

Date: August 22, 2017

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