

## Label Information

The Spectrum label presents technical and safety information in an easily understood format. Our technical specialists stay abreast of the latest requirements of the Globally Harmonized System for Classification and Labelling of Chemicals (GHS), as well as the Occupational Safety and Health Administration (OSHA), the Food and Drug Administration (FDA) and other government regulatory agencies in order to ensure compliance, accuracy and concise hazard communication.

**USE CARE:** This material has been evaluated per GHS/OSHA criteria and is not classified as hazardous. All chemicals may pose unknown hazards and must be used with caution. Use personal protection and safe handling methods consistent with proper workplace safety practices. Consult SDS for additional properties and precautions. If adverse reaction occurs seek medical attention.

**KEEP FROM CHILDREN**

**WARNING:**  
Cancer and Reproductive Harm-  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**spectrum®**  
CHEMICAL MFG CORP

**H9400** **1 KG**

**L-Histidine**

USP, JP,  
bioCERTIFIED™

CAS 71-00-1

**bio**  
CERTIFIED

**CAUTION:** For manufacturing, processing or repacking. Further processing and testing required for use in parenteral applications.  
**Read and understand the label and Safety Data Sheet (SDS) prior to use.**

**Chemical Emergency: (800)424-9300**  
[www.SpectrumChemical.com](http://www.SpectrumChemical.com)

$C_6H_9N_3O_2$  **F.W. 155.15**

Not sterile.  
Manufacturer/Supplier Code .....?  
Manufacturer Lot Number .....?  
Assay (Dried Basis) ..... 99.0-101.0%  
pH ..... 7.0-8.5  
Specific Rotation (Dried Basis, JP),  $[\alpha]_D^{25}$  ..... +11.8° to +12.8°  
Specific Rotation (USP),  $[\alpha]_D^{25}$  ..... +12.6° to +14.0°  
Appearance of Solution ..... Clear, colorless

**MAXIMUM LIMITS**

Loss on Drying ..... 0.2%  
Residue on Ignition ..... 0.1%  
Related Substances (JP-TLC Method) ..... Conforms  
Related Compounds (USP-TLC Method):  
Individual Impurities ..... 0.5%  
Total Impurities ..... 2.0%  
Ammonium ..... 0.02%  
Chloride (Cl) ..... 0.021%  
Sulfate (SO<sub>4</sub>) ..... 0.028%  
Iron (Fe) ..... 10 ppm  
Heavy Metals (Pb) ..... 10 ppm  
Elemental Impurities ..... As reported  
Bacterial Endotoxins ..... 6.0 EU/g  
Residual Solvents ..... To pass test  
Microbial Content:  
TYMC ..... 1000 CFU/g  
TYMC ..... 100 CFU/g

LIGHT SENSITIVE: Keep tightly closed in light-resistant containers.

Repackaged by Spectrum as:  
**Lot No. 062233**

**SPECTRUM CHEMICAL MFG. CORP. Gardena, CA 90248 • New Brunswick, NJ 08901**

- |   |  |   |
|---|--|---|
| <b>A</b> Bar Code   | <b>F</b> Size/Quantity   | <b>K</b> Empirical Formula, Formula Weight and Technical Specifications Panel |
| <b>B</b> GHS Hazard Pictograms                              | <b>G</b> Chemical Abstracts Service (CAS) Registry Number      | <b>L</b> Expiration Information   |
| <b>C</b> Warning, Safety Data and Precautionary Information | <b>H</b> Caution Information                                   | <b>M</b> Lot Number   |
| <b>D</b> Product Catalog Number                             | <b>I</b> DOT Shipping Information                              | <b>N</b> Kosher Certified by Kosher Supervision of America (KSA).             |
| <b>E</b> Item Name, Form, Grade                             | <b>J</b> Toll-Free 24-Hour Chemical Emergency Telephone Number |   |
| <b>O</b> Storage Color Band                                 |  |   |

This color-coded band indicates the hazard most likely to be posed by that material under storage conditions. The criteria used to assign band colors have been established by the Storage Code working group of the Society for Chemical Hazard Communication (SCHC). It is recommended that like colors be stored together, unless otherwise stated, based on the color codes indicated to the right. However, it is the responsibility of the customer to check with their local fire department for possible conflicts with our recommendations when storing hazardous chemicals.

- YELLOW:** Oxidizer
- RED:** Flammable
- GREEN:** General Storage
- BLUE:** Health Hazard
- WHITE:** Corrosive

### Spectrum Chemical Mfg Corp

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