

## 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.

**Retest Date: 03-31-2025**

**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)



**V9100** **1 KG**

**L-Valine**

USP, JP

CAS 72-18-4

**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<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>** **F.W. 117.15**

Not sterile.

Manufacturer/Supplier Code ..... ?  
Manufacturer Lot Number ..... ?

Assay (Dried Basis) ..... 98.5-101.5%  
pH ..... 5.5-6.5  
Specific Rotation (EP), [α]<sub>D</sub><sup>20</sup> ..... +26.5° to +29.0°  
Specific Rotation (USP), [α]<sub>D</sub><sup>20</sup> ..... +26.6° to +28.8°  
Appearance of Solution ..... Clear, colorless

**MAXIMUM LIMITS**

Loss on Drying ..... 0.20%  
Residue on Ignition ..... 0.10%  
Related Substances (JP-TLC Method) ..... Conforms

**Related Compounds (USP-TLC Method):**

Any Unspecified Impurity ..... 0.5%  
Total Impurities ..... 2.0%  
Ammonium ..... 0.02%  
Chloride (Cl) ..... 0.021%  
Sulfate (SO<sub>4</sub>) ..... 0.028%  
Iron (Fe) ..... 30 ppm  
Heavy Metals (Pb) ..... 20 ppm  
Arsenic (As<sub>2</sub>O<sub>3</sub>) ..... 2 ppm  
Elemental Impurities ..... As reported  
Bacterial Endotoxins ..... 6.0 EU/g  
Total Microorganism ..... 100 CFU/g  
Mold ..... 10 CFU/g  
Residual Solvents ..... To pass test

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

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

G 3/J7GHS-A A 0

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

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

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

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