

## Certificate of Analysis

Date of Testing: 2023-06-09 11:39:00  
Date of Next Testing: 2027-06-08 11:39:00  
Product Name: **L-Valinamide hydrochloride**  
CAS Number: 3014-80-0  
Specifications & Purity: 98%  
Lot #: 11522188  
SKU #: **V117016**  
Analysis: **237190**

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=1 H <sub>2</sub> O)	24-30 (°)	25.60°
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	102.25 %
Appearance (V117016)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager