

## Certificate of Analysis

Date of Testing: 2023-02-08 18:25:22  
Date of Next Testing: 2027-02-07 18:25:22  
Product Name: **N $\omega$ -Nitro-L-arginine**  
CAS Number: 2149-70-4  
Specifications & Purity: 98%  
Lot #: B23021169  
SKU #: **N109208**  
Analysis: **152478**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	31.3-32.6 (%)	31.67%
Purity(HPLC)	98-100 (%)	99.91400%
Carbon by Elemental Analysis	32.2-33.5 (%)	32.45%
Specific Rotation [a] <sub>D</sub> <sup>20</sup> (c=2 in 2mol/L HCl)	23-31 (°)	23.02°
Appearance (N109208)	White to Off-White Powder	White to Off-White Powder
Solubility in 1 M HCl , Colorless to Light Yellow,Clear,50 mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager