

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-13 10:27:07  
Date of Next Testing: 2029-12-12 10:27:07  
Product Name: **Sinigrin Hydrate**  
CAS Number: 3952-98-5  
Specifications & Purity: Moligand™, ≥98%  
Lot #: L2501497  
SKU #: **S121209**  
Version: **0**  
Analysis #: **611542**  
Storage Temperature: Protected from light, Store at -20°C, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	2.9-3.8 (%)	3.22 %
Potassium(K)	8.4-10.8 (%)	9.20 %
Carbon(C)	28.3-31 (%)	28.69 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-20--15 (°)	-17.90 °
Purity(HPLC)	98-100 (%)	100.00000 %
Water by Karl Fischer	2-7 (%)	4.12 %
Appearance (S121209)	White to Faint Beige Powder or Crystals	White to Faint Beige Powder or Crystals
NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager