

Certificate of Analysis

Date of Testing: 2023-10-30 16:30:36

Date of Next Testing: 2027-10-29 16:30:36

Product Name: **Sinigrin Hydrate**

CAS Number: 3952-98-5

Specifications & Purity: 98%

Lot #: J2327701

SKU #: **S121209**

Analysis: **286744**

Storage Temperature: Protected from light,Store at -20°C,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	100.00000 %
Nitrogen by Elemental Analysis	2.9-3.8 (%)	3.30 %
Potassium(K)	8.4-10.8 (%)	9.00 %
Water by Karl Fischer	2-7 (%)	4.33 %
Carbon(C)	28.3-31 (%)	28.70 %
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	-20--15 (°)	-17.30 °
NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (S121209)	White to Faint Beige Powder or Crystals	White to Faint Beige Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager