

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-03 16:16:10  
Date of Next Testing: 2025-07-23 16:16:10  
Product Name: **Swertiamarine**  
CAS Number: 17388-39-5  
Specifications & Purity: analytical standard, ≥98%  
Lot #: D1605008  
SKU #: **S110090**  
**Analysis:** **259338**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=0.5 in EtOH)	-141--136 (°)	-139.10 °
Purity(HPLC)	98-100 (%)	98.02000 %
Appearance (s110090)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager