

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-05 15:09:27

Date of Next Testing: 2026-08-04 15:09:27

Product Name: **Betulin**

CAS Number: 473-98-3

Specifications & Purity: 98%

Lot #: J1815138

SKU #: **B129170****Analysis: 121479**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	4.05 %
Melting point	251-257 (°C)	253.60000 °C
Purity(HPLC)	98-100 (%)	98.23000 %
Specific Rotation [α] ₂₀ /D(c=2 in Pyridine)	17-21 (°)	19.62°
Appearance (B129170)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in Pyridine , yellow to brown Clear to slightly hazy, 50mg/ml	pass	Pass

John Su
QA & QC Manager