

## Certificate of Analysis

Date of Testing: 2024-05-20 13:51:22  
Date of Next Testing: 2026-05-10 13:51:22  
Product Name: **Betulinic acid**  
CAS Number: 472-15-1  
Specifications & Purity: analytical standard , >98%  
Lot #: E2411127  
SKU #: **B101534**  
Version: **0**  
Analysis #: **360065**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Neutralization titration) (after drying)	97.5-102.5 (%)	98.00 %
Specific Rotation [α] <sub>20</sub> /D(c=0.9 in Pyridine)	6-10 (°)	8.95 °
Water by Karl Fischer	0-2 (%)	1.50 %
Purity(HPLC)	98-100 (%)	98.38000 %
Appearance (B101534)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility,1mg/ml in EtOH	Clear and colorless	Clear and colorless



John Su  
QA & QC Manager