

## Certificate of Analysis

Date of Testing: 2022-01-24 14:28:20

Date of Next Testing: 2026-01-23 14:28:20

Product Name: **Betulinic acid**

CAS Number: 472-15-1

Specifications & Purity: 97%

Lot #: A2221047

SKU #: **B123958**

**Analysis:** **036351**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	0.30 %
Purity(Neutralization titration) (after drying)	96.5-103.5 (%)	99.50 %
Specific Rotation [α] <sub>20</sub> /D(c=0.9 in Pyridine)	6-10 (°)	6.83 °
Purity(HPLC)	97-100 (%)	97.49100 %
Appearance (B123958)	White to Light yellow to Light orange powder to crystal	White to Light yellow to Light orange powder to crystal
Solubility in EtOH , Colorless Clear,1 mg/mL	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager