

Certificate of Analysis

Date of Testing: 2022-02-21 14:00:21

Date of Next Testing: 2026-02-20 14:00:21

Product Name: **Ursolic acid**

CAS Number: 77-52-1

Specifications & Purity: $\geq 98\%$

Lot #: B2216050

SKU #: **U118635**

Version: **0**

Analysis #: **059021**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	76.7-79.2 (%)	78.39%
Purity(HPLC)	98-100 (%)	99.86200%
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in KOH EtOH sol.})$	62-66 (°)	64.17°
Appearance (U118635)	White to Off-White Powder	White to Off-White Powder
Solubility in DMF , Colorless to Yellow Clear to Slightly Hazy, 50mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager