

Certificate of Analysis

Date of Testing: 2023-12-05 15:41:42

Date of Next Testing: 2027-12-04 15:41:42

Product Name: **18 β -Glycyrrhetic acid**

CAS Number: 471-53-4

Specifications & Purity: 97%

Lot #: K2329316

SKU #: **G109797**

Analysis: **301557**

Parameter	Limit Values	Result
Specific Rotation [a] _D ²⁰ (c=1 in MeOH)	154-170 (°)	169.98 °
Purity(HPLC)	97-100 (%)	99.47600 %
Purity(Neutralization titration)	96.5-103.5 (%)	100.64 %
Appearance (G109797)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCL ₃ , Colorless to light yellow, Slightly hazy, 50mg/mL	pass	Pass



John Su
QA & QC Manager