

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-15 15:34:08
 Date of Next Testing: 2027-05-14 15:34:08
 Product Name: **Ursodeoxycholic acid**
 CAS Number: 128-13-2
 Specifications & Purity: 99%
 Lot #: E2306039
 SKU #: **U110695**
 Version: **0**
 Analysis #: **056231**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)(calcd.on anh.substance)	98.5-101.5 (%)	100.50 %
Purity(HPLC)	99-100 (%)	99.30400 %
Specific Rotation [α] ₂₀ /D(c=4 in EtOH)	59-62 (°)	59.93 °
Loss on drying	0-1 (%)	0.00 %
Melting point	200-205 (°C)	204.89000 °C
Appearance (U110695)	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
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless clear to very slightly hazy,50mg/ml	pass	Pass



John Su
QA & QC Manager