

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-14 08:31:45
 Date of Next Testing: 2026-03-13 08:31:45
 Product Name: **Ursodeoxycholic acid (UDCA)**
 CAS Number: 128-13-2
 Specifications & Purity: Moligand™, ≥99%
 Lot #: C2210433
 SKU #: **U110695**
 Version: **0**
 Analysis #: **056231**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Purity(Neutralization titration)(calcd.on anh.substance)	98.5-101.5 (%)	100.50000 %
Purity(HPLC)	99-100 (%)	99.30400 %
Specific Rotation [α] ₂₀ /D(c=4 in EtOH)	59-62 (°)	59.92900 °
Loss on drying	0-1 (%)	0.00000 %
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