

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-09 13:38:42

Date of Next Testing: 2027-11-08 13:38:42

Product Name: **Obeticholic acid**

CAS Number: 459789-99-2

Specifications & Purity: 98%

Lot #: K2302455

SKU #: **I193491****Analysis: 289273**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.73500 %
specific rotation $[\alpha]_{20/D}(C=1, \text{MeOH})$	3.3-5.5 (°)	5.12000°
Appearance (I193491)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager