

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-17 20:32:25  
Date of Next Testing: 2024-02-17 20:32:25  
Product Name: **Irinotecan HCl Trihydrate**  
CAS Number: 136572-09-3  
Specifications & Purity:  $\geq 98\%$   
Lot #: C1822032  
SKU #: **I129860**  
**Analysis:** **074861**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	22-26 ( $^{\circ}$ )	22.04 $^{\circ}$
Purity(Neutralization titration)	98-100 (%)	98.12 %
Purity(HPLC)	98-100 (%)	99.39800 %
Water by Karl Fischer	7-10 (%)	7.44 %
Appearance (I129860)	Light yellow to yellow solid	Light yellow to yellow solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager