

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-20 09:47:09  
Date of Next Testing: 2027-03-19 09:47:09  
Product Name: **Dexamethasone 21-phosphate disodium salt**  
CAS Number: 2392-39-4  
Specifications & Purity: 98%  
Lot #: C23111301  
SKU #: **D107196**  
Version: **1**  
Analysis #: **176094**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Ethanol	0-1 (%)	0.36 %
Purity(HPLC)	98-100 (%)	98.96300 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$	76-80 (°)	76.33°
Appearance (D107196)	White to Off-White Powder	White to Off-White Powder
Solubility in H <sub>2</sub> O , Colorless to Yellow, Clear to Slightly Hazy(50mg/ml)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager