

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-29 09:42:11
Date of Next Testing: 2026-09-28 09:42:11
Product Name: **Dexamethasone 21-phosphate disodium salt**
CAS Number: 2392-39-4
Specifications & Purity: 98%
Lot #: I2219401
SKU #: **D107196**
Analysis: 091255
Storage Temperature: Store at -20°C, Argon charged

| Parameter | Limit Values | Result |
|--|------------------------------|------------------------------|
| Ethanol | 0-1 (%) | 0.33 % |
| Purity(HPLC) | 98-100 (%) | 99.55380 % |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$ | 76-80 (°) | 76.64° |
| Appearance (D107196) | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Colorless to Yellow, Clear to Slightly Hazy(50mg/ml) | pass | Pass |



John Su
QA & QC Manager