

Certificate of Analysis

Date of Testing: 2023-03-01 10:51:09

Date of Next Testing: 2025-02-28 10:51:09

Product Name: **betamethasone 21-phosphate sodium**

CAS Number: 151-73-5

Specifications & Purity: $\geq 97\%$

Lot #: B2321358

SKU #: **B132147**

Analysis: **049611**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.86000 %
Purity(Nonaqueous Titration)	97-100 (%)	99.00 %
Water by Karl Fischer	0-10 (%)	7.87 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O in calcd. on anh. substance})$	99-105 ($^{\circ}$)	99.22 $^{\circ}$
Appearance (B132147)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager