

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-22 10:03:56  
Date of Next Testing: 2027-12-21 10:03:56  
Product Name: **Dexamethasone**  
CAS Number: 50-02-2  
Specifications & Purity: 98%  
Lot #: L2318361  
SKU #: **D137736**  
**Analysis:** **301383**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>D</sub> (c=1 in Dioxane)	72-80 (°)	78.91°
Purity(HPLC)	98-100 (%)	99.53300%
UV-vis spectrum E1%(240nm 1mg/100ml in EtOH)	380-410	409.97000
Appearance (D137736)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH , Clear Colorless,25mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager