

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-19 14:20:30
 Date of Next Testing: 2028-12-18 14:20:30
 Product Name: **Dexamethasone**
 CAS Number: 50-02-2
 Specifications & Purity: $\geq 98\%$
 Lot #: L2413523
 SKU #: **D137736**
 Version: **1**
 Analysis #: **435719**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in Dioxane})}$	72-80 (°)	78.57400°
Purity(HPLC)	98-100 (%)	99.75400 %
UV-vis spectrum E1%(240nm 1mg/100ml in EtOH)	380-410	410.00000
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