

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-10 10:26:55

Date of Next Testing: 2028-10-09 10:26:55

Product Name: **Dexamethasone**

CAS Number: 50-02-2

Specifications & Purity: $\geq 98\%$

Lot #: J2408416

SKU #: **D137736**

Version: **1**

Analysis #: **407784**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	100.00000 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in Dioxane})}$	72-80 (°)	79.98000 °
UV-vis spectrum E1%(240nm 1mg/100ml in EtOH)	380-410	404.95050
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