

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-30 09:44:52

Date of Next Testing: 2029-08-29 09:44:52

Product Name: **Dexamethasone**

CAS Number: 50-02-2

Specifications & Purity: $\geq 98\%$

Lot #: H2525286

SKU #: **D137736**

Version: **1**

Analysis #: **547182**

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 (°)	76.81°
Purity(HPLC)	98-100 (%)	99.86700 %
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