

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-19 13:58:25
Date of Next Testing: 2028-12-18 13:58:25
Product Name: **Dexamethasone**
CAS Number: 50-02-2
Specifications & Purity: $\geq 98\%$
Lot #: L2413525
SKU #: **D137736**
Version: **1**
Analysis #: **435719**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [a] _D 20/D(c=1 in Dioxane)	72-80 (°)	78.57°
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