

Certificate of Analysis

Date of Testing: 2024-12-16 16:53:36

Date of Next Testing: 2028-12-15 16:53:36

Product Name: **Dexamethasone**

CAS Number: 50-02-2

Specifications & Purity: $\geq 98\%$

Lot #: C2110205

SKU #: **D137736**

Version: **1**

Analysis #: **450215**

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 (°)	77.07°
Purity(HPLC)	98-100 (%)	98.17640 %
UV-vis spectrum E1%(240nm 1mg/100ml in EtOH)	380-410	400.54543
Appearance (D137736)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH , Clear Colorless, 25mg/ml	pass	Pass



John Su
QA & QC Manager