

Certificate of Analysis

Date of Testing: 2023-10-26 10:14:18
Date of Next Testing: 2027-10-25 10:14:18
Product Name: **Dexamethasone**
CAS Number: 50-02-2
Specifications & Purity: 98%
Lot #: J2323065
SKU #: **D137736**
Analysis: **159862**
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 (°)	72.69°
Purity(HPLC)	98-100 (%)	99.35600%
UV-vis spectrum EmM(240nm 1mg/100ml in EtOH)	380-410	408.65
UV-vis spectrum E1%(240nm 1mg/100ml in EtOH)	380-410	408.65385
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



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QA & QC Manager