

## Certificate of Analysis

Date of Testing: 2023-01-11 10:53:36  
Date of Next Testing: 2027-01-10 10:53:36  
Product Name: **Dexamethasone**  
CAS Number: 50-02-2  
Specifications & Purity: 98%  
Lot #: A2309297  
SKU #: **D137736**  
**Analysis:** **159862**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>D</sub> (c=1 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



John Su  
QA & QC Manager