

Certificate of Analysis

Date of Testing: 2024-12-19 13:57:44

Date of Next Testing: 2028-12-18 13:57:44

Product Name: **Dexamethasone**

CAS Number: 50-02-2

Specifications & Purity: $\geq 98\%$

Lot #: L2413524

SKU #: **D137736**

Version: **1**

Analysis #: **435719**

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 (°)	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



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QA & QC Manager