

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-31 08:46:56

Date of Next Testing: 2029-10-30 08:46:56

Product Name: **Dexamethasone**

CAS Number: 50-02-2

Specifications & Purity:  $\geq 98\%$

Lot #: J2528593

SKU #: **D137736**

Version: **1**

Analysis #: **547182**

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 (°)                 | 76.81°                    |
| Purity(HPLC)                                                | 98-100 (%)                | 99.86700 %                |
| 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