

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-08-02 15:12:28

Date of Next Testing: 2030-08-01 15:12:28

Product Name:  **$\alpha$ -Ketoglutaric acid sodium salt**

CAS Number: 22202-68-2

Specifications & Purity:  $\geq 98\%$ (titration)

Lot #: G2531363

SKU #: K773925

Version: 1

Analysis #: 484224

Storage Temperature: Store at 2-8°C

| Parameter                                                  | Limit Values                 | Result                       |
|------------------------------------------------------------|------------------------------|------------------------------|
| Water by Karl Fischer                                      | 0-5 (%)                      | 1.42440 %                    |
| Purity(Titration by HClO <sub>4</sub> )                    | 97.5-102.5 (%)               | 99.51000 %                   |
| Appearance(K773925)                                        | White or light yellow powder | White or light yellow powder |
| Solubility (100 mg/mL, H <sub>2</sub> O) Colorless , clear | Pass                         | Pass                         |
| LC-MS for identification                                   | Conforms                     | Conforms                     |
| Proton NMR spectrum                                        | Conforms to Structure        | Conforms to Structure        |



John Su  
QA & QC Manager