

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-06 16:19:59

Date of Next Testing: 2026-12-05 16:19:59

Product Name: **4-Chlorophenoxyacetic acid**

CAS Number: 122-88-3

Specifications & Purity:  $\geq 98\%$

Lot #: L2203300

SKU #: **C102890**

Version: **0**

Analysis #: **135764**

Storage Temperature: Room temperature, Desiccated

| Parameter                      | Limit Values                | Result                      |
|--------------------------------|-----------------------------|-----------------------------|
| Water by Karl Fischer          | 0-1 (%)                     | 0.34640 %                   |
| Purity(Titration by 0.1M NaOH) | 98-102 (%)                  | 99.96000 %                  |
| Melting point                  | 157-161 (°C)                | 160.05000 °C                |
| Purity(GC)                     | 98-100 (%)                  | 98.02800 %                  |
| Appearance (C102890)           | white to faint beige powder | white to faint beige powder |
| Proton NMR spectrum            | Conforms to Structure       | Conforms to Structure       |
| Solubility in MeOH             | almost transparency         | almost transparency         |



John Su  
QA & QC Manager