

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-22 13:55:17

Date of Next Testing: 2024-07-21 13:55:17

Product Name: **Chlorogenic acid**

CAS Number: 327-97-9

Specifications & Purity: 95%

Lot #: G2220471

SKU #: **C109402****Analysis: 066262**

| Parameter | Limit Values | Result |
|---|------------------------------|------------------------------|
| Purity(Neutralization titration)(calcd.on anh.substance) | 95-105 (%) | 99.04% |
| Water by Karl Fischer | 0-6 (%) | 3.37% |
| Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O) | -38--35 (°) | -37.98° |
| Purity(HPLC) | 95-100 (%) | 98.69760% |
| Appearance (C109402) | White to Off-White Powder | White to Off-White Powder |
| Solubility in EtOH , Faint Yellow to Dark Yellow, Clear to Hazy, 25 mg/ml | pass | Pass |

John Su
QA & QC Manager