

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-31 09:50:50

Date of Next Testing: 2025-08-30 09:50:50

Product Name: **Chlorogenic acid**

CAS Number: 327-97-9

Specifications & Purity: 95%

Lot #: H2325322

SKU #: **C109402****Analysis: 270189**

| Parameter | Limit Values | Result |
|---------------------------------------------------------------------------|------------------------------|------------------------------|
| Purity(Neutralization titration)(calcd.on anh.substance) | 95-105 (%) | 99.24 % |
| Water by Karl Fischer | 0-6 (%) | 3.45 % |
| Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O) | -38--35 (°) | -36.44 ° |
| Purity(HPLC) | 95-100 (%) | 98.82500 % |
| 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