

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-15 16:05:19

Date of Next Testing: 2024-12-14 16:05:19

Product Name: **Chlorogenic acid**

CAS Number: 327-97-9

Specifications & Purity: Moligand™, ≥98%

Lot #: L2210440

SKU #: **C109404**

Version: **1**

Analysis #: **152554**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-3.5 (%)	2.90700 %
Purity(Neutralization titration)(calcd.on anh.substance)	98-100 (%)	98.11000 %
Purity(HPLC)	98-100 (%)	98.45600 %
Specific Rotation [α] _{20/D} (c=1 in H ₂ O)	-38--35 (°)	-38.00000 °
Appearance (C109404)	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
Mass spectrum	Conforms to standard	Conforms to standard
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager