

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-12 11:27:08  
 Date of Next Testing: 2025-01-11 11:27:08  
 Product Name: **(+)-Catechin Hydrate**  
 CAS Number: 225937-10-0  
 Specifications & Purity:  $\geq 95\%$ (HPLC)  
 Lot #: C2126033  
 SKU #: **C107690**  
**Analysis: 178116**  
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	98.75000 %
Specific Rotation $[\alpha]_{20/D}(c=5$ in Acetone(50%) (calcd.on anh.subs	13-18 (°)	14.85°
Melting point(anhydrous)	175-177 (°C)	176.20 °C
Loss on drying	0-8 (%)	3.28 %
Appearance (C107690)	White to Yellow to Grey to Brown Powder	White to Yellow to Grey to Brown Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Yellow to amber,clear to light hazy,50mg/ml	pass	Pass



John Su  
QA & QC Manager