

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-21 19:15:27

Date of Next Testing: 2026-08-21 19:15:27

Product Name: **Castanospermine**

CAS Number: 79831-76-8

Specifications & Purity: $\geq 98\%$

Lot #: H2405459

SKU #: **C130954**

Version: **0**

Analysis #: **390722**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	49.2-52.1 (%)	50.60000 %
Nitrogen by Elemental Analysis	6.7-7.9 (%)	7.20000 %
Purity(HPLC)	98-100 (%)	99.90000 %
Specific Rotation $[\alpha]_{20/D}(c=0.9 \text{ in H}_2\text{O})$	77-83 (°)	81.00000 °
Appearance (C130954)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMSO , Clear Colorless,10 mg/ml	Conforms	Conforms



John Su
QA & QC Manager