

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-19 09:31:06

Date of Next Testing: 2024-07-18 09:31:06

Product Name: **Castanospermine**

CAS Number: 79831-76-8

Specifications & Purity: $\geq 98\%$

Lot #: K1816149

SKU #: **C130954**

Version: **0**

Analysis #: **114419**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.23500 %
Carbon by Elemental Analysis	49.2-52.1 (%)	51.06000 %
Nitrogen by Elemental Analysis	6.7-7.9 (%)	7.26000 %
Specific Rotation $[\alpha]_{20/D}(c=0.9 \text{ in H}_2\text{O})$	77-83 (°)	79.62000 °
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