

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-20 09:36:17

Date of Next Testing: 2025-10-19 09:36:17

Product Name: **Castanospermine**

CAS Number: 79831-76-8

Specifications & Purity:  $\geq 98\%$ 

Lot #: A2207416

SKU #: **C130954**Version: **0**Analysis #: **287533**

Storage Temperature: Store at 2-8°C

| Parameter                                                         | Limit Values              | Result                    |
|-------------------------------------------------------------------|---------------------------|---------------------------|
| Purity(HPLC)                                                      | 98-100 (%)                | 98.13000 %                |
| Carbon by Elemental Analysis                                      | 49.2-52.1 (%)             | 50.60000 %                |
| Nitrogen by Elemental Analysis                                    | 6.7-7.9 (%)               | 7.33000 %                 |
| Specific Rotation $[\alpha]_{20/D}(c=0.9 \text{ in H}_2\text{O})$ | 77-83 (°)                 | 79.50000 °                |
| 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