

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-25 18:16:59

Date of Next Testing: 2028-02-25 18:16:59

Product Name: **(+)-Sparteine (sulfate pentahydrate)**

CAS Number: S767193

Specifications & Purity: $\geq 97\%$

Lot #: B2520038

SKU #: **S767193**

Version: **1**

Analysis #: **476104**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.03800 %
Specific Rotation $[\alpha]_{20/D}(C=5 \text{ in } \text{H}_2\text{O})$	20-24 (°)	24.00000 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager