

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-29 09:58:01

Date of Next Testing: 2025-11-28 09:58:01

Product Name: **Zebularine**

CAS Number: 3690-10-6

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: K2322188

SKU #: **Z135482****Analysis: 294290**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.81100%
Nitrogen by Elemental Analysis	11.5-12.8 (%)	11.69%
Carbon by Elemental Analysis	45.9-47.8 (%)	46.90%
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	156-166 (°)	165.90°
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager