

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| Date of Testing:         | 2023-05-18 17:03:26                                                      |
| Date of Next Testing:    | 2026-05-17 17:03:26                                                      |
| Product Name:            | <b>1,2,3,4-Tetrahydro-<math>\beta</math>-carboline-1-carboxylic Acid</b> |
| CAS Number:              | 6649-91-8                                                                |
| Specifications & Purity: | $\geq 97\%$                                                              |
| Lot #:                   | E23101032                                                                |
| SKU #                    | <b>T331369</b>                                                           |
| Version                  | <b>1</b>                                                                 |
| Analysis #:              | <b>216556</b>                                                            |
| Storage Temperature:     | Store at -20°C                                                           |

| Parameter           | Limit Values          | Result                |
|---------------------|-----------------------|-----------------------|
| Purity(HPLC area)   | 97-100 (%)            | 99.40200 %            |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager