

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-21 15:06:23

Date of Next Testing: 2029-08-20 15:06:23

Product Name: **1-Phenyl-1,2,3,4-tetrahydroisoquinoline**

CAS Number: 22990-19-8

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

Lot #: K2113540

SKU #: **P160805**

Version **0**

Analysis #: **557833**

| Parameter            | Limit Values                                       | Result                                             |
|----------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(HPLC)         | 98-100 (%)                                         | 99.23500 %                                         |
| Melting point        | 98-102 (°C)                                        | 100.90000 °C                                       |
| Appearance (P160805) | White to Faint Yellow Powder, Crystals or Granules | White to Faint Yellow Powder, Crystals or Granules |
| Proton NMR spectrum  | Conforms to Structure                              | Conforms to Structure                              |

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

John Su  
QA & QC Manager