

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-07 10:12:07

Date of Next Testing: 2027-08-06 10:12:07

Product Name: **1,2,3,4-Tetrahydroisoquinoline**

CAS Number: 91-21-4

Specifications & Purity: $\geq 95\%$

Lot #: G2331243

SKU #: **T139420**

Analysis: **193699**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	99.50 %
Refractive index n ₂₀ /D	1.568-1.571	1.57
Density (20°C)	1.047-1.05	1.05
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (T139420)	Colourless to yellow to orange liquid	Colourless to yellow to orange liquid

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

John Su
QA & QC Manager