

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-12 15:08:12  
Date of Next Testing: 2026-07-11 15:08:12  
Product Name: **1,1'-Binaphthyl-2,2'-diamine**  
CAS Number: 4488-22-6  
Specifications & Purity: 97%  
Lot #: G2208071  
SKU #: **B120051**  
Analysis: **093495**

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.41100 %
Appearance (B120051)	White to pink to Light yellow to tan to dark green crystals,powder and/or chunks	White to pink to Light yellow to tan to dark green crystals,powder and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager