

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-15 15:57:04
Date of Next Testing: 2026-11-14 15:57:04
Product Name: **(R)-(+)-1,1'-Binaphthyl-2,2'-diamine**
CAS Number: 18741-85-0
Specifications & Purity: $\geq 99\%$
Lot #: K2310018
SKU #: **R138409**
Version: **0**
Analysis #: **097477**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.63100 %
Specific Rotation [a] _D 20/D(c=1 in Pyridine)	154-158 (°)	155.94 °
Melting point	240-244 (°C)	242.48000 °C
Appearance (R138409)	white to off-white to pink to yellow-red powder	white to off-white to pink to yellow-red powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager