

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-15 13:11:11

Date of Next Testing: 2027-03-14 13:11:11

Product Name: **Helicid**

CAS Number: 80154-34-3

Specifications & Purity: $\geq 98\%$

Lot #: C23101234

SKU #: **H128330**Version: **0**Analysis #: **201272**Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.8 \text{ in H}_2\text{O})$	-115--95 ($^{\circ}$)	-100.27300 $^{\circ}$
Purity(HPLC)	98-100 (%)	99.14500 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager