

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-20 11:10:17

Date of Next Testing: 2030-03-19 11:10:17

Product Name: **Vindoline**

CAS Number: 2182-14-1

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

Lot #: F2205161

SKU #: **V101706**Version: **0**Analysis #: **671343**

Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|--|--------------|--------------|
| Melting point | 163-165 (°C) | 164.50000 °C |
| Specific Rotation $[\alpha]_{20/D}(c=1.5 \text{ in MeOH})$ | -68--62 (°) | -65.30000 ° |
| Purity(HPLC) | 98-100 (%) | 99.65500 % |
| Appearance (V101706) | White powder | White powder |

John Su
QA & QC Manager