



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

## Certificate of Analysis-Fmoc-L-Proline

CAS 71989-31-6

Batch Number: *FTF20260317* Batch Quantity: 135kg

Manufacture Date: Mar.15<sup>th</sup>,2026 Analysis Date: Mar.16<sup>th</sup>,2026 Certificate Date: Mar.17<sup>th</sup>,2026

**Storage** Store in cool & dry place. Store in well-closed containers.

**Shelf life** 3 years when properly stored.

Item	Specification	Result
HPLC Purity	≥99.5%	99.72%
Specific Rotation $[\alpha]^{D20}$	-30° ~ -34° (1% in DMF)	-32.1°
Melting Point	114 ~ 120 °C	117.2 °C
Water Content	≤0.30%	0.16%
Single Chiral Impurity	≤0.10%	0.04%
Free L-Proline	≤0.10%	<0.02%
Heavy Metals (Pb)	≤10 ppm	<5 ppm
Residual Solvent	Meet ICH Standard	Conform

**Conclusion:** Conform with enterprise specification .

QC MANAGER: 刘娟 INSPECTOR: 黄子烨

