



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-Limonin

CAS 1180-71-8

Batch Number: **FTF20260317** Batch Quantity: 135kg

Manufacture Date: Mar.15th,2026 Analysis Date: Mar.16th,2026 Certificate Date: Mar.17th,2026

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

Shelf life 3 years when properly stored.

Item	Specification	Result
Appearance	White crystalline powder	Complies
Odor & Taste	Characteristic bitter taste	Complies
Melting Point	296 ~ 300 °C	297.8 °C
Specific Rotation $[\alpha]^{D_{20}}$	-125° ~ -132° (in Acetone)	-128.1°
Assay (HPLC)	≥98.0%	98.62%
Loss on Drying	≤0.50%	0.21%
Residue on Ignition	≤0.10%	0.05%
Heavy Metals Total	≤10 ppm	<2 ppm
Lead (Pb)	≤2 ppm	<0.1 ppm
Arsenic (As)	≤1 ppm	<0.1 ppm

Conclusion: Conform with enterprise specification .

QC MANAGER: **刘娟** INSPECTOR: **黄子烨**

