



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

## Certificate of Analysis-Lovastatin

CAS: 75330-75-5

Batch Number: *FTF0250904* Batch Quantity: 35kg

Manufacture Date: Sep.02<sup>th</sup>,2025 Analysis Date: Sep.03<sup>th</sup>,2025 Certificate Date: Sep.04<sup>th</sup>,2025

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

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

ITEM	SPECIFICATION	RESULT
Appearance	White to off-white crystalline powder	Complies
Solubility	Freely soluble in water and ethanol, slightly soluble in chloroform	Complies
Identification Tests	HPLC Retention Time RT matches reference ( $\pm 2\%$ )	12.45min
	FTIR Spectrum Matches USP reference spectrum	Complies
	UV-Vis ( $\lambda_{max}$ ) 246nm (in methanol)	Complies
Assay	98.0 - 102.0%	99.8%
Related Substances	Impurity A: $\leq 0.5\%$	0.4%
	Impurity B: $\leq 0.5\%$	0.3%
	Total Impurities: $\leq 2.0\%$	0.9%
Water Content	$\leq 1.0\%$	0.5%
Heavy Metals	Pb $\leq 5$ ppm, Cd $\leq 3$ ppm, As $\leq 2$ ppm	<1 ppm (each)
Microbial Limits	Total Plate Count <1000cfu/g	<100cfu/g
	Yeast & Moulds <100cfu/g	<10cfu/g
	E.Coli Negative	Negative
	Salmonella Negative	Negative

**Conclusion:** Conform with enterprise specification .

QC MANAGER: 刘娟 INSPECTOR: 黄子烨

