西安子午生物科技有限公司
Xi'an Sonwu Biotech Co.,Ltd.

Certificate of Analysis

Product name	Afoxolaner	**Manufacture date**	Dec.14.2023
Batch number	SW231214	**Analysis date**	Dec.15.2023
Batch quantity	100kg	**Expiry date**	Dec.14.2025

Characteristic/method	**Specification**	**Result**
Appearance	White powder	Conforms
Identification	1）Fluoride: Should be positive reaction	Conforms
	2)IR: Correspond to the IR spectrum of reference standard	Conforms
	3)UV: The maximum absorption occurs at 222+2nmand 312+2nm	Conforms
	4)HPLC: The retention time of main peak of the test solution should correspond to that of the system suitability solution, as obtained in reated substances	Conforms
Water	≤1.0%	0.23%
Residue on ignition	≤0.1%	Conforms
Heavy Metals	≤20ppm	Conforms
Related Substances	Total impurity: ≤1.0%	Conforms
	Any other impurity≤0.2%	Conforms
Residual solvents	Acetonitrile≤410ppm	Conforms
	Ethyl acetate≤5000ppm	Conforms
	Cyclohexane≤3880ppm	Conforms
Assay	≥98.0%	98.36%
Conclusion	Conforming to Enterprise Standard	

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store in cool & dry place. keep away from strong light and heat
Shelf life:	2 years when properly stored

Quality Assurance Officer: 李强　　Corrector: 佟丽华　　Analyst: 刘琼

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