

# Bio F Xi'an Biof Bio-technology Co.,Ltd

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## CERTIFICATE OF ANALYSIS

Product Name	Thiamidol	Specification	Company Standard
CAS No.	1428450-95-6	Manufacture Date	2024.7.20
Quantity	100KG	Analysis Date	2024.7.27
Batch No.	ES-240720	Expiry Date	2026.7.19
Molecular weight	278.33	Molecular symbol	C <sub>18</sub> H <sub>23</sub> NO <sub>3</sub> S
Items	Specifications	Results	
Appearance	White to off-white powder	Complies	
Identification	The retention time of the major peak of the sample solution corresponds to that of the standard solution	Complies	
Water content	≤1.0%	0.20%	
Residual solvent (GC)	Acetonitrile≤0.041%	ND	
	Dichloromethane≤0.06%	ND	
	Toluene≤0.089%	ND	
	Heptane≤0.5%	60ppm	
	Ethanol≤0.5%	ND	
	Ethyl acetate≤0.5%	1319ppm	
	Acetic acid≤0.5%	ND	
Related substance (HPLC)	Single Impurity≤1.0%	0.27%	
	Total Impurities≤2.0%	0.44%	
Residue on Ignition	≤0.5%	0.03%	
Assay (HPLC)	98.0%~102.0%	98.5%	
Storage	Store in an air tight container,protected from light.		
Shelf life	Two years when properly stored.		
Conclusion	Qualified.		

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