



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

Product	L-Thiazolidine-4-Carboxylic acid/ L-Thioprolin	Test Date	2023.03.10
Batch No.	C00620230310	Manufacture Date	2023.03.10
Molecular Formula	C ₄ H ₇ NO ₂ S	Report Date	2023.03.13
Molecular Weight	133.17	Retest Date	2025.03.09
Storage Condition	0~30°C, sealing storage	Quantity	604 kg
Test Item	Specification	Test Result	
Appearance	white powder	Conforms	
Specific Rotation[α] ₂₀ /D	-137°~ -145°(C=2,H ₂ O)	-141.9°	
Sulphate (SO ₄ ²⁻)	≤0.03%	<0.03%	
Ammonium (NH ₄ ⁺)	≤0.02%	<0.02%	
Iron(Fe)	≤10ppm	<10ppm	
Heavy metal(Pb)	≤10ppm	<10ppm	
Arsenic	≤1ppm	<1ppm	
Other amino acids	Chromatographically detectable 色谱检测	not	Conforms
Assay	≥98.0%	99.1%	
Loss on drying	≤0.50%	0.07%	
Conclusion	The results conform with manufacturer's standard.		

Analyst: Wen Qian

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