



Zhengzhou Yuanli Biological Technology Co., Ltd.

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Certificate of Analysis

质量检验单

Product Name (产品名称): 9-Oxo-10(9H)-acridineacetic acid (吡啶酮乙酸)	Batch No. (批号): ADC2020122302C	
CAS No. (CAS 号): 38609-97-1	Quantity (批量): 235kg	
Manufacturing Date (生产日期): 12/23/2020	Retest Date (复检日期): 12/22/2022	
Sampling Date (送检日期): 12/23/2020	Report Date (报告日期): 12/25/2020	
Test Items(检测项目)	Requirements (标准)	Results (结论)
Appearance (外观)	Yellow or yellowish green crystalline powder (黄色或黄绿色结晶性粉末)	Complies (符合规定)
Melting point (熔点)	>280°C	287.0-289.3°C
Loss on drying (干燥失重)	≤0.5%	0.10%
Purity (纯度)	≥99%	99.73%
Clarity (澄清度)	The sample solution should be clear and transparent, the color of the solution should not be darker than that of the control, and the color system should be consistent with the control.(样品溶液澄清透明，溶液颜色不得深于对照，色系应与对照一致)	Complies (符合规定)
Impurity (杂质)	Acridone NMT 0.15% (吡啶酮≤0.15%)	0.02%
	N-Methyl acridone NMT 0.1% (N-甲基吡啶酮≤0.1%)	0.03%
	Unidentified impurities NMT 0.1% (未知杂质≤0.1%)	Complies (符合规定)
	Sum of impurities NMT 0.5% (总杂质≤0.5%)	0.27%
Sulfuric ash(硫酸灰分)	≤0.1%	0.05%
Heavy metals, lead (重金属, 以铅计)	≤10ppm	Complies (符合规定)
Chlorides(氯化物)	≤0.01%	Complies (符合规定)
Conclusion (结论)	The product complies with enterprise standard. (产品符合企业标准。)	
Checker (检验人): Yanyan Zhang	Rechecker (复检人): Jin Jin	Supervisor (主管): Xuezhe Han