



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): 2022061201J	
CAS No. (CAS 号): 38609-97-1	Quantity (批量): 118.3kg	
Manufacturing Date (生产日期): 06/12/2022	Retest Date (复检日期): 06/11/2024	
Sampling Date (送检日期): 06/13/2022	Report Date (报告日期): 06/17/2022	
Test Items(检测项目)	Requirements (标准)	Results (结论)
Appearance (外观)	Yellow to yellowish green crystalline powder (黄色至黄绿色结晶性粉末)	Complies (符合规定)
Melting point (熔点)	>280°C	285.7-286.4°C
Loss on drying (干燥失重)	≤0.5%	0.03%
Purity (纯度)	≥99%	99.86%
Clarity (澄清度)	The sample solution should be clear and transparent, the color of the solution should not be darker than yellow green 7# color code. (样品溶液澄清透明, 溶液颜色不得深于黄绿色 7#色标)	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%)	0.06%
	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%)	0.14%
Sulfuric ash(硫酸灰分)	≤0.1%	0.025%
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): Shuqian Wu	Rechecker (复核人): Yunxiang Han	Supervisor (主管): Jin Jin