



**Zhengzhou Yuanli Biological Technology Co., Ltd.**  
**郑州原理生物科技有限公司**

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**Certificate of Analysis**  
**质量检验单**

| Product Name (产品名称): Acridone (吡啶酮)   | Batch No. (批号): 2021123018C   |                                  |
|---------------------------------------|---|----------------------------------|
| CAS No. (CAS 号): 578-95-0             | Quantity (批量): 400kg  |                                  |
| Manufacturing Date (生产日期): 12/30/2021 | Expired Date (失效日期): 12/29/2023   |                                  |
| Sampling Date (送检日期): 01/17/2022      | Report Date (报告日期): 01/20/2022  |                                  |
| Test Items(检测项目)                      | Requirements (标准)   | Results (结论)                     |
| Description (描述)                      | Crystal Powder from yellow to green-yellow color<br>(黄色到黄绿色结晶粉末)  | Green-yellow powder<br>(黄绿色结晶粉末) |
| Identity(鉴别)                          | The retention time of the main peak in the chromatogram of the test solution for mass fraction of acridone should correspond to the retention time of the main peak of the solution of the standard sample of acridone.(吡啶酮样品含量测定溶液色谱主峰保留时间应与吡啶酮标准样品溶液主峰保留时间一致) | Complies (符合规定)                  |
| Related Impurities by HPLC (有关物质)     | Single impurities not more than 0.2%<br>total amount of impurities no more than 1.0%<br>(单杂≤0.2%; 总杂≤1.0%)  | Complies (符合规定)                  |
| Mass fraction of Acridone (含量)        | No less than 99%  | 99.87%                           |
| Loss of mass on drying (干燥失重)         | No more than 0.3%   | 0.14%                            |
| Mass fraction of Chlorides (氯化物含量)    | Not more than 0.1%  | Complies (符合规定)                  |
| Mass fraction of Sulphate (硫酸盐含量)     | Not more than 0.7%  | Complies (符合规定)                  |
| Melting Point (熔点)                    | 361-366°C   | Complies (符合规定)                  |
| Conclusion (结论)                       | The product complies with enterprise standard. (产品符合企业标准。)  | Complies (符合规定)                  |
| Checker (检验人)<br>Shuqian Wu           | Rechecker (复核人):<br>Jin Jin   | Supervisor (主管):<br>Minghui Yu   |