#### 原理科技 YUANLI TECHNOLOGY

### 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 (吖啶酮) 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 (黄色到黄绿色结晶粉末)  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. (吖啶酮样品含量测定溶液色谱主峰保留时间应与吖啶酮标准样品溶液主峰保留时间一致)  Single impurities not more than 0.2% total amount of impurities no more than 1.0% (单永《2.2%; 总称《1.0%)  Mass fraction of Acridone (全量) Not more than 0.3% O.14%  Mass fraction of Clorides (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) The product complies with enterprise standard. (产品社本标准) Supervisol (主管): Minghui Yu  Minghui Yu  Minghui Yu			T	
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(检測项目) Requirements (标准) Results (结论)  Description (描述) Crystal Powder from yellow to green-yellow color (黄色到黄绿色结晶粉末) Green-yellow powder (黄绿色结晶粉末)  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.(可啶酮样品含量测定溶液色谱主单保留时间应与可啶酮标准样品溶液主单保留时间一致)  Single impurities no more than 0.2% total amount of impurities no more than 1.0% (单杂《0.2%;总杂《1.0%)  Mass fraction of Acridone (含量) No less than 99% 99.87%  Mass fraction of Clorides (氯化物含量) No 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℃ Complies (符合规定)  The product complies with enterprise standard. (元素素素素素素素素素素素素素素素素素素素素素素素素素素素素素素素素素素素素	Product Name (产品名称): Acridone (吖啶酮)		Batch No. (批号): 2021123018C	
Report Date (接检日期): 01/17/2022  Test Items(检测项目)  Requirements (标准)  Results (结论)  Description (描述)  Crystal Powder from yellow to green-yellow color (黄色到黄绿色结晶粉末)  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.(叮啶酮样品含量测定溶液色谱主峰保留时间应与吖啶酮标准样品溶液主峰保留时间应为 Single impurities not more than 0.2% total amount of impurities no more than 1.0% (单杂冬0.2%; 总杂冬1.0%)  Mass fraction of Acridone (含量)  Loss of mass on drying (干燥失重)  Mass fraction of Clorides (氯化物含量)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Conclusion (结论)  The product complies with enterprise standard. (广编设量标准) Supervisor (主管):	CAS No. (CAS 号): 578-95-0		Quantity (批量): 400kg	
Test Items(检测项目)  Requirements (标准)  Results (结论)  Crystal Powder from yellow to green-yellow color (黄色到黄绿色结晶粉末)  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. (吖啶酮样晶含量测定溶液色谱主峰保留时间应与吖啶酮标准样品溶液主峰保留时间一致)  Single impurities not more than 0.2% total amount of impurities no more than 1.0% (单杂<0.2%: 总杂≤1.0%)  Mass fraction of Acridone (含量)  Loss of mass on drying (干燥失重)  Mass fraction of Clorides (氯化物含量)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Complies (符合规定)  The product complies with enterprise standard. (下燥生用量标准)  Screen-yellow powder (黄绿色结晶粉末)  Complies (符合规定)  Complies (符合规定)  Complies (符合规定)  Complies (符合规定)  Complies (符合规定)  Complies (符合规定)  The product complies with enterprise standard. (下燥生用量标准)  Supervisor (主管):	Manufacturing Date (生产日期): 12/30/2021		Expired Date (失效日期): 12/29/2023	
Description (描述)  Crystal Powder from yellow to green-yellow color (黄色到黄绿色结晶粉末)  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.(吖啶酮样品含量测定溶液色谱主峰保留时间一致)  Related Impurities by HPLC(有关物质)  Mass fraction of Acridone (含量)  Loss of mass on drying (干燥失重)  Mass fraction of Clorides (氯化物含量)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Complies (符合规定)  The product complies with enterprise standard. (不是要求证明。  Green-yellow powder (黄绿色结晶粉末)  Complies (符合规定)  The product complies with enterprise standard. (不是要求证明的证明。  Complies (符合规定)	Sampling Date (送检日期): 01/17/2022		Report Date (报告日期): 01/20/2022	
Description (描述)  Crystal Powder from yellow to green-yellow color (黄色到黄绿色结晶粉末)  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.(吖啶酮样品含量测定溶液色谱主峰保留时间应与吖啶酮标准样品溶液主峰保留时间一致)  Related Impurities by HPLC(有关物质)  Mass fraction of Acridone (含量)  Loss of mass on drying (干燥失重)  Mass fraction of Clorides (氯化物含量)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Complies (符合规定)  The product complies with enterprise standard. (产品发生体系)  The retention time of the main peak in the chromatogram of the test solution for mass fraction of the solution of the standard sample of acridone.(吖啶酮样品含量测定溶液色谱主体保留时间一致)  Complies (符合规定)  Tomplies (符合规定)  Complies (符合规定)	Test Items(检测项目)	Requirements (标准)		Results (结论)
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.(吖啶酮样品含量测定溶液色谱主峰保留时间应与吖啶酮标准样品溶液主峰保留时间一致)  Related Impurities by HPLC(有关物质)  Respond Total amount of impurities no more than 0.2% total amount of impurities no more than 1.0% (单杂 ≤ 0.2%;总杂 ≤ 1.0%)  Mass fraction of Acridone (含量)  Loss of mass on drying (干燥失重)  Mass fraction of Clorides (氯化物含量)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Complies (符合规定)  Complies (符合规定)  Complies (符合规定)  Complies (符合规定)  Complies (符合规定)  The product complies with enterprise standard. (产品,其一种工作的工作。 Complies (符合规定)  Complies (符合规定)	Description (描述)			powder
Related Impurities by HPLC(有关物质) total amount of impurities no more than 1.0% (单杂≤0.2%;总杂≤1.0%)  Mass fraction of Acridone (含量)  Loss of mass on drying (干燥失重)  Mass fraction of Clorides (氯化物含量)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Complies (符合规定)  Melting Point (熔点)  The product complies with enterprise standard. (产品产业标准)  Checker (检验人)  Rechecker (复核人):  Complies (符合规定)  Complies (符合规定)	Identity(鉴别)	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.(吖啶酮样品含量测定溶液色谱主峰保留时间应与吖啶酮标准样品溶		Complies (符合规定)
No less than 99%  Loss of mass on drying (干燥失重)  Mass fraction of Clorides (氯化物含量)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Conclusion (结论)  The product complies with enterprise standard. (产品工作体)  Rechecker (复核人):  Supervisor (主管):	•	total amount of impurities no more than 1.0%		Complies (符合规定)
(干燥失重)  Mass fraction of Clorides (氯化物含量)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Complies (符合规定)  Melting Point (熔点)  Complies (符合规定)  Rechecker (复核人):  Supervisor (主管):		No less than 99%		99.87%
Not more than 0.1% Complies (符合规定)  Mass fraction of Sulphate (硫酸盐含量)  Melting Point (熔点)  Complies (符合规定)  Melting Point (熔点)  Complies (符合规定)		No more than 0.3%		0.14%
(硫酸盐含量)  Melting Point (熔点)  Complies (符合规定)  And The product complies with enterprise standard. (产品产业标准)  Checker (检验人)  Rechecker (复核人):  Supervisor (主管):		Not more than 0.1%		Complies (符合规定)
Conclusion (结论) The product complies with enterprise standard. (产品在业标准) Checker (检验人) Rechecker (复核人): Supervisor(主管):	· '	Not more than 0.7%		Complies (符合规定)
Checker (检验人) Rechecker (复核人): Supervisor (主管):	Melting Point (熔点)	361-366℃		Complies (符合规定)
	Conclusion (结论)	The product complies with enterprise standard. (产品)		产品(产业标准)
Shuqian Wu Jin Jin Minghui Yu	Checker (检验人)	Rechecke	r (复核人):	Supervisor(主管):
	Shuqian Wu	Jir	n Jin	Minghui Yu