

Jiangxi Long Life Bio-Pharmaceutical Co., Ltd.
 (A wholly owned subsidiary of Chiral Quest (Suzhou) Co., Ltd.)

Certificate of Analysis
 产品检验报告

Product Name 产品名称: (R)-3-Amino-butan-1-ol
 CAS No.: 61477-40-5 Date of Manufacturing 生产日期: 2017-05-10
 Batch No.批号: L023-5W-170501 Retest Date 复测日期: 2019-05-09
 Batch Size 批数量: 121.2kg

No.	Test Items 测试项目	Specification 质量标准	Results 结果
1	Appearance	Colorless to light yellow liquid	Colorless liquid
2	Identification A. By IR B. By GC	A. IR spectrum of the test exhibits intense peaks at about 1599 and 1066cm ⁻¹ (±5cm ⁻¹). B. The retention time of the major peak in the chromatogram of test preparation corresponds to that in the chromatogram of the standard preparation as obtained under purity by GC method.	A. Conforms B. Conforms
3	Water Content by KF	≤1.0%	0.15%
4	S-isomer by HPLC(A%)	≤0.1%	ND
5	Purity by GC (A%)	≥99.0%	99.9%
6	Related substances by GC (A%) -Any individual impurity -Total impurities	≤0.2% ≤1.0%	0.06% 0.13%

Conclusion: Batch released. The batch complies with the specification. I hereby certify that the above information is authentic and accurate.

结论: 批放行。本批产品符合规定的质量标准。特此证明以上信息真实准确。

Comment 备注: Not applicable

Certificate prepared by/Date 起草人/日期: 宗玉梅 2017.06.23

Certificate reviewed by/Date 审核人/日期: 何梦清 2017.06.23

Certificate approved by/Date 批准人/日期: 周国平 2017.06.23

