



中国认可  
检测  
TESTING  
CNAS L0748



№1517090005

# 检测报告

## Test Report

样品名称: 金蝉环保型黄金选矿剂

Name of sample: JINCHAN Environmental-friendly Gold  
Ore-dressing Agent

委托单位: 广西森合高新科技股份有限公司

Consignor: GUANGXI SENHE HIGH TECHNOLOGY CO., LTD.



上海化工研究院检测中心

Shanghai Research Institute of Chemical Industry Testing Centre

## 声 明

### Statement

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3. 检测报告无编制、审核、批准人签字无效。

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6. 送样委托检测结果，仅对所送样品有效。

The conclusion of the consignment test is only valid for the provided sample.

7. 本检测报告以中文为准，英文文本（如有）仅为译文，两者发生冲突时，应以中文文本为准。

The test report has been drafted in Chinese and translated into English (if exist) for convenience only. In the event of discrepancy, the Chines version shall prevail.

8. 除另有说明，检测检验类别都是指委托分析。

Unless noted otherwise, the test type is consignment test.

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|                             |   |  |   |
|-----------------------------|---|--|---|
| 样品名称<br>Name of Sample      | 中文<br>Chinese   | 金蝉环保型黄金选矿剂   |   |
|                             | 英文<br>English   | JINCHAN Environmental-friendly Gold Ore-dressing Agent |   |
| 样品编号<br>Sample Number       | 1517090005  |  |   |
| 委托单位<br>Consignor           | 广西森合高新科技股份有限公司<br>GUANGXI SENHE HIGH TECHNOLOGY CO., LTD.   |  |   |
| 生产单位<br>Manufacturer        | 广西森合高新科技股份有限公司<br>GUANGXI SENHE HIGH TECHNOLOGY CO., LTD.   |  |   |
| 检测方法<br>Test Method         | OECD 化学品测试准则 423 急性经口毒性-急性毒性分类法 (2001. 12. 17)<br>OECD Guideline for the Testing of Chemicals 423 Acute Oral Toxicity-Acute Toxic Class Method (17 <sup>th</sup> December 2001) |  |   |
| 判定标准<br>Criterion           | /   |  |   |
| 样品外观<br>Appearance          | 类白色粉末<br>Off-white powder   |  |   |
| 样品接受日期<br>Accepted Date     | 2017-09-05  | 检测起迄日期<br>Test Date                                    | 2017-09-21~2017-10-06   |
| 检测项目<br>Test Items          | 急性经口毒性<br>Acute Oral Toxicity   |  |   |
| 检测结论<br>Conclusion          | 检测结果见第 2 页。<br>Test result is in page 2.  |  | <br>签发日期(Date): 2017-10-16 |
| 备注<br>Remarks               | 无。<br>None.   |  |   |
| 委托单位地址<br>Consignor Address | 广西南宁市明阳工业区明阳四路 B-3-1<br>No B-3-1, Mingyang Fourth Road, Mingyang Industrial Park, Nanning, Guangxi  | 邮政编码<br>Post Code                                      | 530000  |

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# 上海化工研究院检测中心

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| 序号<br>No. | 检测项目名称<br>Name of Test                            | 标准要求或标准条款号<br>Standard Requirement or<br>The Clause Number of<br>Standard   | 检测结果<br>Test Result   | 本项结论<br>Test Conclusion | 备注<br>Remark    |   |
|-----------|---|---|---|-------------------------|-----------------|---|
| 1         | 急性经口毒性<br>Acute Oral<br>Toxicity                  | OECD 化学品测试准则 423<br>急性经口毒性-急性毒性分<br>类法 (2001. 12. 17)<br>OECD Guideline for the<br>Testing of Chemicals 423<br>Acute Oral<br>Toxicity-Acute Toxic<br>Class Method (17th<br>December 2001) | 根据试验结果, 在当<br>前测试条件下, 试验<br>样品急性经口毒性<br>LD <sub>50</sub> 值 > 2000 mg/kg<br>(小鼠)。<br>Based on the test<br>results, under the<br>current test<br>conditions, the<br>acute oral toxicity<br>LD <sub>50</sub> value is more<br>than 2000 mg/kg<br>(mouse) . | /                       | /               |   |
| 2         | 以下空白<br>This Space<br>Intentionally Left<br>Blank |   |   |                         |                 |   |
|           |   |   |   |                         |                 |   |
|           |   |   |   |                         |                 |   |
|           |   |   |   |                         |                 |   |
|           |   |   |   |                         |                 |   |
|           |   |   |   |                         |                 |   |
|           |   |   |   |                         |                 |   |
|           | 检测环境条件<br>Test Environment<br>Condition           | 符合 GB14925-2010 《实验动物 环境及设施》。<br>According to GB14925-2010 Laboratory animal-Requirements of environment<br>and hosing facilities.  |   |                         |                 |   |
|           | 分包检测情况<br>Subcontracted<br>Test Condition         | 检测项目<br>Test Items  | /   |                         |                 |   |
|           |   | 分包<br>实验室<br>Subcontracted<br>Laboratory  | 名称<br>Name  | /                       | 邮编<br>Post Code | / |
|           |   |   | 地址<br>Address   | /                       | 电话<br>Tel       | / |



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附加说明

Description of test

1、摘要 Summary

试验选用 ICR 小鼠。灌胃前，实验动物隔夜禁食。每一剂量组使用 3 只动物（雌性），剂量组分别为 300 mg/kg、300 mg/kg、2000 mg/kg 和 2000 mg/kg 体重。根据试验结果，试验样品急性经口毒性 LD<sub>50</sub> 值 > 2000 mg/kg（小鼠）。

The ICR mouse was used. Animals were fasted one night prior to dosing. Three female animals are used for each dose level. The dose level was 300 mg/kg, 300 mg/kg, 2000 mg/kg and 2000 mg/kg body weight. Based on the test results, the acute oral toxicity LD<sub>50</sub> value is more than 2000 mg/kg (mouse).

2、试验信息和数据 Test information and data

2.1 实验动物 laboratory animals

2.1.1 品种/品系: ICR 小鼠 (SPF 级)

species/strain: ICR mouse (SPF)

2.1.2 来源: 上海杰思捷实验动物有限公司

source: Shanghai Jiesijie laboratory animal Co., Ltd.

2.1.3 周龄 week age: /

2.1.4 体重 body weights: 18-22 g

2.1.5 性别 sex: 12 雌 twelve female

2.1.6 数量 number: 12 只 twelve animals

2.1.7 饲料与饮用水 food and water:

配合饲料 (鼠用) formula feed (mouse)、灭菌水 germfree water

2.1.8 来源: 上海普路腾生物科技有限责任公司/本中心

source: Shanghai Puluteng Biotechnology Co., Ltd. / SRICI Testing Centre

2.1.9 环境条件 housing conditions: 屏障环境 barrier conditions

温度 temperature: 20-25°C;

相对湿度 relative humidity: 40-70%

2.1.10 实验动物使用许可证号 the number of licence: SYXK (沪) 2014-0010



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2.2 给药 the test substance is applied

2.2.1 样品处理 the test substance is administered:

用电子分析天平称取 0.1514g、0.1509g、1.0004g、1.0013g 样品，加蒸馏水定容至 10ml 容量瓶中。The test substance (0.1514g、0.1509g、1.0004g、1.0013g) was weighed with an electronic analytical balance, and diluted with distilled water to 10mL volumetric flask.

2.2.2 禁食时间 the time of animals are fasted: 隔夜 one night

2.2.3 剂量 dose level: 300 mg/kg、300 mg/kg、2000 mg/kg、2000 mg/kg

2.2.4 途径 approach: 灌胃 gavage

2.2.5 分组 group: 4 组 four groups

2.2.6 时间 expose time: /

2.2.7 给药容量 applied volume: 0.2mL/10g bw

2.3 观察指标 observation index

2.3.1 死亡情况 death: 见附表 3 see the table 3

2.3.2 观察期 observation period: 14 天 14days

2.3.3 动物死亡数累计 animals cumulative mortality: 见附表 1 see the table 1

2.3.4 动物中毒体征观察 animals toxic clinical signs: 见附表 2 see the table 2

2.3.5 动物体重 animals body weights: 见附表 3 see the table 3

2.3.6 尸检观察 necropsy observations: 见附表 4 see the table 4

### 3、试验结果 Presentation of the result

给药后，观察和记录小鼠的中毒体征及两周观察期内的死亡率（见表 1 和表 2）。尸检观察见表 4。试验样品急性经口毒性 LD<sub>50</sub> 值 >2000 mg/kg（小鼠）。

The toxic signs of mice after application of the test substance, and mortality within two weeks were observed and noted (see table 1 and table 2). Necropsy observations see table 4. The acute oral toxicity LD<sub>50</sub> value is more than 2000 mg/kg (mouse).





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表 2 中毒体征的观察  
Table 2 Toxic Clinical Signs

| 剂量<br>Dose<br>mg/kg | 性别<br>Sex | 动物<br>只数<br>Number<br>of animals | 中毒<br>体征<br>toxic<br>clinical<br>signs | 出现反应的动物只数与时间 Number of animals affected |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
|---------------------|-----------|----------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|
|                     |           |                                  |  | D1 (h)                                  |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
|                     |           |                                  |  | 0.5                                     | 1 | 2 | 4 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 300                 | ♀         | 3                                | NA                                     | 3                                       | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3  | 3  | 3  | 3  |
| 300                 | ♀         | 3                                | NA                                     | 3                                       | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3  | 3  | 3  | 3  |
| 2000                | ♀         | 3                                | NA                                     | 0                                       | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3  | 3  | 3  | 3  |
|                     |           |                                  | DSA                                    | 3                                       | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  |
| 2000                | ♀         | 3                                | Pi                                     | 3                                       | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  |
|                     |           |                                  | NA                                     | 0                                       | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3  | 3  | 3  | 3  |
| 2000                | ♀         | 3                                | DSA                                    | 3                                       | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  |
|                     |           |                                  | Pi                                     | 3                                       | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  |

NA = 未见异常 no abnormality;  
DSA = 活动减少 decreased spontaneous activity;  
Pi = 竖毛 piloerection。





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表 3 体重变化和死亡时间  
Table 3 Body Weights Variety and Dead Time

| 剂量<br>Dose<br>mg/kg | 性别<br>Sex | 动物<br>编号<br>Animal<br>No. | 动物体重(g) animals body weights<br>天数 day |    |    |     |             |      |                       |
|---------------------|-----------|---------------------------|--|----|----|-----|-------------|------|-----------------------|
|                     |           |                           | D-1                                    | D1 | D8 | D15 | D15<br>-D-1 | Dead | 死亡<br>时间<br>Dead time |
| 300                 | ♀         | D01201                    | /                                      | 18 | 26 | 31  | /           | /    | /                     |
|                     | ♀         | D01202                    | /                                      | 22 | 28 | 32  | /           | /    | /                     |
|                     | ♀         | D01203                    | /                                      | 22 | 26 | 29  | /           | /    | /                     |
| 300                 | ♀         | D02201                    | /                                      | 22 | 25 | 31  | /           | /    | /                     |
|                     | ♀         | D02202                    | /                                      | 21 | 27 | 33  | /           | /    | /                     |
|                     | ♀         | D02203                    | /                                      | 21 | 26 | 31  | /           | /    | /                     |
| 2000                | ♀         | D03201                    | /                                      | 18 | 24 | 29  | /           | /    | /                     |
|                     | ♀         | D03202                    | /                                      | 22 | 27 | 33  | /           | /    | /                     |
|                     | ♀         | D03203                    | /                                      | 22 | 28 | 34  | /           | /    | /                     |
| 2000                | ♀         | D04201                    |  | 21 | 26 | 32  | /           | /    | /                     |
|                     | ♀         | D04202                    |  | 19 | 26 | 33  | /           | /    | /                     |
|                     | ♀         | D04203                    |  | 18 | 25 | 29  | /           | /    | /                     |

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| 表 4 尸检观察<br>Table 4 Necropsy Observations |           |                    |  |
|---|-----------|--------------------|--|
| 剂量 Dose<br>mg/kg                          | 性别<br>Sex | 动物编号<br>Animal No. | 肉眼可见<br>Macroscopic Findings                         |
| 300                                       | ♀         | D01201             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
|   | ♀         | D01202             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
|   | ♀         | D01203             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
| 300                                       | ♀         | D02201             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
|   | ♀         | D02202             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
|   | ♀         | D02203             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
| 2000                                      | ♀         | D03201             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
|   | ♀         | D03202             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
|   | ♀         | D03203             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
| 2000                                      | ♀         | D04201             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
|   | ♀         | D04202             | 无肉眼可见异常<br>No macroscopically detectable abnormality |
|   | ♀         | D04203             | 无肉眼可见异常<br>No macroscopically detectable abnormality |

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