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Gmicro Testing



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TESTING
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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测报告

REPORT FOR ANALYSIS

报告编号

2024FM11611R02D

Report №.

样品名称

净味小子（宠物除臭剂）

Name of Sample

Pet deodorant

委托单位

广东深河中科生物科技有限公司

Applicant

Guangdong Shenhe Zhongke Biotechnology Co., Ltd.

检测类型

委托检测

Test Type

Entrustment Test

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分析检测报告

REPORT FOR ANALYSIS



报告编号 (Report No.) 2024FM11611R02D 校验码 (Verification Code): TY5CLUAC

样品名称 Name of Sample	净味小子 (宠物除臭剂) Pet deodorant	检测类型 Test Type	委托检测 Entrustment Test
委托单位 Applicant	广东深河中科生物科技有限公司 Guangdong Shenhe Zhongke Biotechnology Co., Ltd.	地址 Address	河源市源城区高埔岗龙腾路 141 号-1 No. 141-1, Longteng Road, Gaopugang, Yuancheng District, Heyuan City, Guangdong
样品来源 Sample Source	委托方送检 Submitted for Testing by the Applicant	样品数量 Sample Quantity	500ml/瓶
样品规格和批号 Spec and Lot No of Sample	2024061101	样品状态和特性 State and Characteristic	液体
接样日期 Sample Received Date	2024-06-20	验讫日期 Completion Date	2024-08-06
检测项目 Item Tested	急性经口毒性试验、一次完整皮肤刺激试验、急性眼刺激试验 Acute Oral Toxicity Test, Single intact skin irritation test,		
检测依据和方法 Test Standard and Method	《消毒技术规范》2002 年版, 第二部分 2.3.1、2.3.3、2.3.4 2.3.1, 2.3.3, 2.3.4 Part II of <i>Technical Standard For Disinfection</i> (2002)		
检测结论 Test Conclusion	1.急性经口毒性试验:在本次试验条件下, 受试物对 SPF 级 ICR 小鼠急性经口毒性 LD₅₀ > 5000mg/kg·BW, 属于实际无毒。 Acute Oral Toxicity Test: Under the condition of this test, the test substance had an LD₅₀ of > 5000mg/kg·BW on SPF ICR mice, and was classified as actual non-toxic. 2.一次完整皮肤刺激试验:在本次试验条件下, 受试物对新西兰兔一次完整皮肤刺激试验结果为无刺激性。 Single intact skin irritation test: Under the conditions of this test, the sample showed no irritation to New Zealand rabbit skin. 3.急性眼刺激试验:在本次试验条件下, 受试物对新西兰兔急性眼刺激试验结果为无刺激性。 Acute eye irritation: Under the condition of this test, the sample showed no irritation to the eyes of New Zealand rabbits in the acute eye irritation test. 签发日期: 2024-08-06 Issue Date (机构盖章 Official Seal)		
备注 Remarks	动物实验项目检测地点: 广州市黄埔区神舟路 790 号。 Animal test base: No. 790, Shenzhou Road, Huangpu District, Guangzhou.		

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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2024FM11611R02D

样品名称	净味小子 (宠物除臭剂)	接样日期	2024 年 06 月 20 日
Name of Sample	Pet deodorant	Sample Received Date	
检验项目	急性经口毒性试验	检验完成日期	2024 年 07 月 16 日
Test item	Acute Oral Toxicity Test	Test Completion Date	

I. 受试物 Test substance:

1. 原样 Undiluted.

2. 供试液制备: 称取 5g 受试物, 加灭菌水定容到 20mL 混匀供试。

Test solution preparation: Weighed and delivered 5g test substances above into the sterilized water to obtained 20mL solution.

II. 实验动物和饲养环境 Laboratory animals and housing/feeding environment:

1. SPF 级动物房, 实验动物使用许可证号: SYXK(粤)2021-0156。

Facility: Barrier Environment. License number for laboratory animals: SYXK(粤)2021-0156.

2. 动物种属品系: SPF 级 ICR 小鼠; 雄性 10 只, 雌性 10 只, 体重范围 18-22g; 动物合格证号: 44826500007699。

Animal species and strains: SPF ICR mouse; 10 male mice and 10 female mice; Weight range: 18-22g; Certificate of Conformity No. 44826500007699.

3. 动物来源: 实验动物由广东至远生物医药科技有限公司 (实验动物生产许可证号: SCXK (粤) 2021-0057) 提供。

Animal source: The animals for experiment were provided by Guangdong Zhiyuan Biopharmaceutical Technology Co., Ltd (Laboratory Animal Production License No. SCXK (粤) 2021-0057).

4. 饲料来源及饲料合格证明: 饲料购自广东省医学实验动物中心, 生产许可证号: 粤饲证 (2024) 05073, 合格证号 2406120041。

Feed and source: Provided by Guangdong Medical Laboratory Animal Center, Laboratory Animal Feed Production License: No. 粤饲证 (2024) 05073, Feed certificate: No. 2406120041.

5. 饲养环境: 温度 20-26℃, 相对湿度 40-70%。

Environment: Temperature: 20-26℃; Relative humidity: 40-70%.

III. 方法 Method:

1. 检验方法: 《消毒技术规范》2002 年版, 第二部分 2.3.1。

Test method: Technical Standard for Disinfection, Edition 2002, Part 2.3.1.

2. 剂量水平: 根据方法要求, 采用一次限量法 (即用 20 只动物口服 5000mg/kg·BW)。

Dose level: A limit dose test was conducted according to the requirements (i.e. Oral dose of 5000mg/kg body weight for 20 animals).

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广东省微生物分析检测中心

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分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2024FM11611R02D

样品名称	净味小子 (宠物除臭剂)	接样日期	2024 年 06 月 20 日
Name of Sample	Pet deodorant	Sample Received Date	
检验项目	急性经口毒性试验	检验完成日期	2024 年 07 月 16 日
Test item	Acute Oral Toxicity Test	Test Completion Date	

IV. 试验步骤 Test procedures:

试验前, 实验动物禁食过夜, 不限制饮水。试验时, 称量动物体重, 随机分组, 经口灌胃 1 次, 每次灌胃量为 0.2 mL/10g 体重, 灌胃后继续禁食 3 h, 其后给予正常饮食。染毒后对每只动物进行单独全面的记录, 观察实验动物的中毒表现和死亡情况, 观察期限为 14d。于给药 D0、D7 和 D14 称量体重。

Deprive the animals of food overnight without limiting drinking water before administering the test substance. The mice were grouped randomly by weight. The test solution was administered in a single dose of 5000mg/kg•BW by gavage with a volume of 0.2mL per 10 grams of body weight. Food should be withheld for a further 3 hours. Each animal was daily observed and recorded for toxic signs and death after administering for no more than 14 days. Weight all survived animals on Day 0, Day 7 and Day 14 day after administering.

V. 结果评价 Evaluation of results:

评价结果时, 根据数据计算 LD₅₀, 按经口毒性分级表进行判定。

The LD₅₀ was calculated from the data. The category was classified according to the Oral Toxicity Grading Scale.

VI. 试验结果 Results:

组别 Group	性别 Sex	染毒剂量 Administrated dose (mg/kg•BW)	动物数 Number of animal (n)	体重 Weight (g)			死亡动物数 Number of dead animal (n)	死亡率 Mortality (%)
				D0	D7	D14		
试验组 Test Group	♂	5000	10	20.7±0.9	27.7±1.4	34.1±1.8	0	0
	♀	5000	10	19.8±0.7	26.8±1.5	34.3±1.1	0	0

注: 14 天观察期内所有受试动物未见明显中毒症状及死亡。

Note: no obvious poisoning symptoms and death were found in all the tested animals during the 14-day observation.

VII. 结论 Conclusions:

在本次试验条件下, 受试物对 SPF 级 ICR 小鼠急性经口毒性 LD₅₀>5000mg/kg•BW, 属于实际无毒。

Under the condition of this test, the test substance had an LD₅₀ of >5000mg/kg•BW on SPF ICR mice, and was classified as actual non-toxic.

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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2024FM11611R02D

样品名称	净味小子 (宠物除臭剂)	接样日期	2024 年 06 月 20 日
Name of Sample	Pet deodorant	Sample Received Date	
检验项目	一次完整皮肤刺激试验	检验完成日期	2024 年 07 月 10 日
Test item	Single intact skin irritation test	Test Completion Date	

I. 受试物 Test substance:

Undiluted.

II. 实验动物和饲养环境 Laboratory animal and housing / feeding environment:

1. 普通级动物房, 实验动物使用许可证号: SYXK(粤)2021-0156.

Facility: Conventional Environment; License number for laboratory animals: SYXK(粤)2021-0156.

2. 动物种属品系: 普通级新西兰兔; 雌性 3 只; 体重范围: 2.0-2.8kg; 动物合格证号: 44817200002414.

Species: Conventional New Zealand rabbit; 3 female rabbits; Weight range: 2.0-2.8kg; Certificate of quality of the laboratory animals: No. 44817200002414.

3. 动物来源: 实验动物由广州市白云区龙归兴科动物养殖场 (实验动物生产许可证号: SCXK (粤) 2022-0042) 提供。

Animal source: Provided by Guangzhou baiyun Longguixingke animal farm. Laboratory Animal Production License: No. SCXK(粤)2022-0042).

4. 饲料来源及饲料合格证明: 饲料购自广东省医学实验动物中心, 生产许可证号: 粤饲证 (2024) 05073, 合格证号 240524092.

Feed and qualification certificate: Provided by Guangdong Medical Laboratory Animal Center. Laboratory Animal Feed Production License No. 粤饲证 (2024) 05073. Feed certificate: No. 240524092.

5. 饲养环境: 温度 20-26℃, 相对湿度 40-70%.

Environment: Temperature: 20-26℃; Relative humidity: 40-70%.

III. 方法 Method:

检验方法: 《消毒技术规范》2002 年版, 第二部分 2.3.3.

Test method: 2.3.3 Part II of *Technical Standard For Disinfection* (2002).

IV. 试验步骤 Test procedure:

试验前 24 h, 将家兔背部脊柱两侧的毛剃掉。去毛范围, 左、右各约 3cm×3cm。取 0.5mL 受试物涂抹在一侧皮肤上, 然后用一层无刺激塑料膜覆盖, 再用无刺激胶布固定。另一侧皮肤作为空白对照。采用封闭试验, 敷用时间为 4h。实验结束后, 用温水清除残留受试物。

24 hours before the test, the fur (Approximately 3cm×3cm) from two sides of the spine of the experimental animals was shaved off avoiding damage. 0.5mL of the test sample was applied and spread directly on one side of the skin. Then covered and fixed with non-irritating plastic films and tapes. The other side served as self-control.

The close-patch was used. The skin was washed with warm water to remove residues after 4 hours application.

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ANALYSIS AND TEST RESULT

报告编号 (Report No.) : 2024FM11611R02D

样品名称	净味小子 (宠物除臭剂)	接样日期	2024 年 06 月 20 日
Name of Sample	Pet deodorant	Sample Received Date	
检验项目	一次完整皮肤刺激试验	检验完成日期	2024 年 07 月 10 日
Test item	Single intact skin irritation test	Test Completion Date	

V. 结果评价 Result evaluation:

于清除受试物后的 1h、24h 和 48h 分别观察受试部位皮肤反应结果, 按皮肤刺激反应评分表进行皮肤反应评分。根据 1h、24h 和 48h 各观察点最高积分均值, 按皮肤刺激强度分级标准表判定皮肤刺激强度。

The skin reactions were observed and scored at 1h, 24h and 48h after the test substance was removed according to the skin irritation response scale. The skin irritation category was determined using the highest irritation index according to the test method.

VI. 试验结果 Test results:

动物编号 Animal number	1				2				3				刺激反应积分 Irritation index					
性别 Gender	♀				♀				♀									
体重 Weight (kg)	2.1				2.1				2.1									
分组 Group	样品 Sample		对照 Control		样品 Sample		对照 Control		样品 Sample		对照 Control		样品 Sample			对照 Control		
试验时间 Rection	红斑 Erythe- ma	水肿 Edema	红斑 Erythe- ma	水肿 Edema	红斑 Erythe- ma	水肿 Edema	红斑 Erythe- ma	水肿 Edema	红斑 Erythe- ma	水肿 Edema	红斑 Erythe- ma	水肿 Edema	红斑 Erythe- ma	水肿 Edema	总分 Total	红斑 Erythe- ma	水肿 Edema	总分 Total
1h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1d	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2d	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

最高积分均值: 样品: 0, 对照: 0。

The highest irritation index: sample=0, control=0

VII. 结论 Conclusion:

在本次试验条件下, 受试物对新西兰兔一次完整皮肤刺激试验结果为无刺激性。

Under the conditions of this test, the sample showed no irritation to New Zealand rabbit skin.

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ANALYSIS AND TEST RESULT

报告编号 (Report No.) : 2024FM11611R02D

样品名称	净味小子 (宠物除臭剂)	接样日期	2024 年 06 月 20 日
Name of Sample	Pet deodorant	Sample Received Date	
检验项目	急性眼刺激试验	检验完成日期	2024 年 07 月 10 日
Test item	Acute eye irritation	Test Completion Date	

I. 受试物 Test substance:

制备样: 原样。

Sample: Undiluted.

II. 实验动物和饲养环境 Laboratory animals and housing/feeding environment:

1. 普通级动物房, 实验动物使用许可证号: SYXK(粤)2021-0156。

Facility: Conventional Environment; License number for laboratory animals: SYXK(粤)2021-0156.

2. 动物种属品系: 普通级新西兰兔; 雌性 3 只; 体重范围: 2.0-2.8kg; 动物合格证号: 8527580101000370605。

Species: Common New Zealand rabbit; 3 females; Weight range: 2.0-2.8 kg; Animal qualification Certificate

Number: 8527580101000370605.

3. 动物来源: 实验动物由贵州亿科达生物科技有限公司 (实验动物生产许可证号: SCXK (黔)2021-0001) 提供。

Animal source: The experimental animals were provided by Guizhou Yikeda Biotechnology Co., Ltd (Laboratory Animal Production License No. : SCXK (黔) 2021-0001).

4. 饲料来源及饲料合格证明: 饲料购自广东省医学实验动物中心, 生产许可证号: 粤饲证 (2024) 05073, 合格证号: 240524092。

Feed and qualification certificate: The feed was purchased from Guangdong Medical Laboratory Animal Center, Production License No. : 粤饲证(2024) 05073, Qualification Certificate No. 240524092.

5. 饲养环境: 温度 20-26℃, 相对湿度 40-70%。

Environment: Temperature: 20-26℃; Relative humidity: 40-70%.

III. 方法 Method:

检验方法: 《消毒技术规范》2002 年版, 第二部分 2.3.4。

Test method: 2.3.4 Part II of *Technical Standard For Disinfection* (2002).

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Test item	Acute eye irritation	Test Completion Date	

IV. 试验步骤 Test procedures:

试验前 24h, 对实验动物的两只眼睛进行常规检查。试验时, 将受试物 0.1mL 滴入一侧结膜囊中, 将眼被动闭合 4s, 以防止受试样品丢失, 30s 后用生理盐水冲洗。另一侧以生理盐水作为正常对照。于试验结束后的 1h、24h、48h、72h、7d 对眼睛进行检查, 观察至 7d 终止试验。观察时用 2% 荧光素钠溶液检查角膜和虹膜的变化。在每次检查中均按眼损害评分标准记录眼刺激反应的积分。

24 hours before test, both eyes of each animal were examined routinely. 0.1 mL of test sample was applied to the conjunctival sac of one eye and kept the eye close for 4 second passively to prevent loss of test sample. After 30 second, rinsed with normal saline. The eye on other side was served as control. Eyes were evaluated after 1 hour, 24 hours, 48 hours, 72 hours and the 7th day of application. The test should be terminated until 7 days evaluation. 2% F solution could be used to the cornea and . Recorded the score of eye irritation according to the lesions.

V. 结果评价 Evaluation of results:

对家兔眼角膜、虹膜和结膜的急性刺激反应进行评分, 并分别计算每只动物在三个不同观察时间 (24h、48h 和 72h) 角膜损害、虹膜损害、结膜充血和结膜水肿四方面的平均评分。分别以动物眼角膜、虹膜和结膜充血、水肿的平均评分和恢复时间进行, 按眼刺激反应分级标准判定受试物对眼睛的刺激强度。如果 72 小时内未出现刺激反应, 或第 7d 或第 14 天, 眼睛刺激反应完全恢复, 即可提前终止试验。

Calculated the average score of the cornea, iris, conjunctivae, and chemosis damage of each animal of 3 observation (24 hours, 48 hours, and 72 hours). The eye irritation was classified based on the average score and the recovery time. Test would be terminated if no reaction was observed after 72 hours.

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Test item	Acute eye irritation	Test Completion Date	

VI. 试验结果 Results:

动物 编号 No. #	损伤表现 lesions	1h		24h		48h		72h		7d		14d		21d		平均积分 Average	
		样品 test	对照 control	样品 test	对照 control	样品 test	对照 control	样品 test	对照 control	样品 test	对照 control	样品 test	对照 control	样品 test	对照 control	样品 test	对照 control
1	角膜损伤 cornea	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
	虹膜损伤 iris	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
	结膜充血 conjunctivae	1	0	1	0	0	0	0	0	0	0	-	-	-	-	0.33	0
	结膜水肿 chemosis	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
2	角膜损伤 cornea	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
	虹膜损伤 iris	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
	结膜充血 conjunctivae	1	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
	结膜水肿 chemosis	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
3	角膜损伤 cornea	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
	虹膜损伤 iris	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
	结膜充血 conjunctivae	1	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0
	结膜水肿 chemosis	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0

注: 平均积分为每只动物的 24h、48h、72h 评分之和除以观察数 3

Note: Average= (sum score of 24h, 48h and 72h)/ 3

VII. 结论 Conclusions:

在本次试验条件下, 受试物对新西兰兔急性眼刺激试验结果为无刺激性。

Under the condition of this test, the sample showed no irritation to the eyes of New Zealand rabbits in the acute eye irritation test.

(以下空白 Blank Below)



广 微 测

Gmicro Testing

报告编号 (Report No.) : 2024FM11611R02D

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