

**测试报告**  
**Test Report**

报告号码  
Number: SZHH01391746

申请公司  
Applicant : HOLFELDER GMBH  
FERINGASTRASSE 12 A/B  
85774 UNTERFOHRING  
联系人 IRIS ANDRE  
Attn:

日期  
Date: 2019年9月18日  
Sep 18, 2019

**样品描述 Sample Description:**

以下 (15) 件测试样品由申请单位所提供及确认:

Fifteen (15) pieces of submitted sample said to be:

样品名称 : Sport Babyflasche 250 ml.

Item Name

供应商/制造商 : Holfelder GmbH.

Supplier/Manufacturer

买家 : Audi Sport GmbH.

Buyer

目的地国家 : 中国.

Country of Destination : China.

委托检验日期 : 2019年08月14日.

Sample Received Date : Aug 14, 2019.

测试周期 : 2019年08月14日 ~ 2019年09月17日.

Testing Period : Aug 14, 2019 ~ Sep 17, 2019.

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Test Conducted:

依申请之单位要求, 细节请参考附页。

As requested by the applicant, refer to attached page(s) for details.



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结论 Conclusion:

受检样品 Tested sample  
送检样品的测试部件  
Tested components of  
submitted samples

标准 Standard

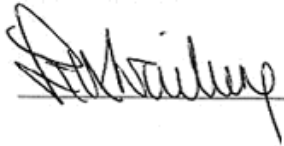
GB 4806.7-2016 食品安全国家标准 食品接触用塑料材料及  
制品条款 4.2 和条款 4.3 对感官和理化指标的要求  
GB 4806.7-2016 National Food Safety Standard Food  
Contact Plastic Materials and Articles Clause 4.2 and  
Clause 4.3 on Sensory and Physicochemical index

结果 Result  
合格 Pass

GB 4806.2-2015 食品安全国家标准 奶嘴条款 3.2 和条款  
3.3 对感官和理化指标的要求  
GB 4806.2-2015 National Food Safety Standard Nipple  
Clause 3.2 and Clause 3.3 on Sensory and  
Physicochemical index

合格 Pass

批准：  
深圳天祥质量技术服务有限公司



Ben N.L. Lin  
总经理



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1 食品接触用塑料材料及制品感官和理化测试 Sensory and Physicochemical test for Food Contact Plastic Materials and Articles

根据 GB 31604.2-2016 食品安全国家标准 食品接触材料及制品 高锰酸钾消耗量的测定, GB 31604.7-2016 食品安全国家标准 食品接触材料及制品 脱色试验, GB 31604.8-2016 食品安全国家标准 食品接触材料及制品 总迁移量的测定和 GB 31604.9-2016 食品安全国家标准 食品接触材料及制品 食品模拟物中重金属的测定。  
As per GB 31604.2-2016 National Food Safety Standard Food Contact Materials and Articles- Determination of Consumption of Potassium Permanganate ,GB 31604.7-2016 National Food Safety Standard Food Contact Materials and Products - Decolorization Test , GB 31604.8-2016 National Food Safety Standard Food Contact Materials and Articles - Determination of Overall Migration ,GB 31604.9-2016 National Food Safety Standard Food Contact Materials and Articles - Determination of Heavy Metal of Food Simulants.

1. 感官要求 Sensory index

测试样品 Tested Sample	测试项目 Test item	结果 Result	要求 Requirement
(1)至(3)	感官 Sensory	色泽正常, 无异臭, 无不洁物 Normal colour, Odorless, No Impurity.	色泽正常, 无异臭, 无不洁物 Normal colour, Odorless, No Impurity
	浸泡液 (水, 4% 醋酸, 50% 乙醇) Soaking solutions (Water, 4% Acetic acid, 50% Ethanol)	无浑浊, 无沉淀, 无异臭 No turbidity, No precipitation, Odorless	无浑浊, 无沉淀, 无异臭 No turbidity, No precipitation, Odorless.



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2. 理化指标 Physicochemical index

测试项目 Test item	测试条件 Test condition		结果 Result		检出限 Reporting limit	限值 Limit
			测试部件 Test component			
	模拟物 Simulant	温度时间 Temperature and Time	(1)	(2)		
总迁移量 Overall migration (mg/kg)	4%醋酸 4% Acetic acid	70°C 2h	ND	ND	10	60
	50%乙醇 50% Ethanol	70°C 2h	ND	ND	10	60
高锰酸钾消耗量 Consumption of KMnO <sub>4</sub> (mg/kg)	水 Water	60°C 2 h	1	ND	1	10
重金属(以铅计) Heavy metal(as Pb) (mg/kg)	4%醋酸 4% Acetic acid	60°C 2 h	ND	ND	1	1
脱色试验 Decolorization test	--	--	阴性 negative	阴性 negative	阴性 negative	阴性 negative

测试项目 Test item	测试条件 Test condition		结果 Result		检出限 Reporting limit	限值 Limit
			测试部件 Test component			
	模拟物 Simulant	温度时间 Temperature and Time	(3)			
总迁移量 Overall migration (mg/kg)	4%醋酸 4% Acetic acid	70°C 2h	ND		10	60
	50%乙醇 50% Ethanol	70°C 2h	ND		10	60
高锰酸钾消耗量 Consumption of KMnO <sub>4</sub> (mg/kg)	水 Water	60°C 2 h	ND		1	10
重金属(以铅计) Heavy metal(as Pb) (mg/kg)	4%醋酸 4% Acetic acid	60°C 2 h	ND		1	1
脱色试验 Decolorization test	--	--	阴性 negative		阴性 negative	阴性 negative



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60 mg/kg 的限值适用于接触婴幼儿食品的塑胶材料及制品

The limit of 60mg/kg was quoted for plastic materials and articles intended to come into contact with infant foodstuffs.

ND = 未检出 Not detected

测试部件 (1) 计算结果按  $S/V= 8.4\text{dm}^2/1\text{L}$  进行 Ratio of food contact surface area to volume of tested component (1) used to establish the compliance of material or article =  $8.4\text{dm}^2/ 1\text{L}$

测试部件 (2) 的计算结果按  $S/V= 1.2\text{dm}^2/1\text{L}$  进行 Ratio of food contact surface area to volume of tested component (2) used to establish the compliance of material or article =  $1.2\text{dm}^2/ 1\text{L}$

测试部件 (3) 的计算结果按  $S/V= 1.4\text{dm}^2/1\text{L}$  进行 Ratio of food contact surface area to volume of tested component (3) used to establish the compliance of material or article =  $1.4\text{dm}^2/ 1\text{L}$

测试部件: 见报告尾页测试组份表

Test component(s): See component list in the last section of this report



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2 橡胶奶嘴感官和理化指标测试 Sensory and Physicochemical test for Rubber Nipple

根据 GB 31604.8-2016 食品安全国家标准 食品接触材料及制品 总迁移量的测定, GB 31604.2-2016 食品安全国家标准 食品接触材料及制品 高锰酸钾消耗量的测定, GB 31604.9-2016 食品安全国家标准 食品接触材料及制品 食品模拟物中重金属的测定, GB 28482-2012 婴幼儿安抚奶嘴安全要求, GB 31604.42-2016 食品安全国家标准 食品接触材料及制品 锌迁移量的测定。

As Per GB 31604.8-2016 National Food Safety Standard Food Contact Materials and Articles - Determination of Overall Migration, GB 31604.2-2016 National Food Safety Standard Food Contact Materials and Articles - Determination of Consumption of Potassium Permanganate, GB 31604.9-2016 National Food Safety Standard Food Contact Materials and Articles - Determination of Migration of Heavy Metals in Food Simulants, GB 28482-2012 Safety Requirements of Soothers for Babies and Young Children, GB 31604.42-2016 National Food Safety Standard Food Contact Materials and Articles - Determination of Migration of Zinc.

一. 感官要求 Sensory:

测试样品 Tested Sample	测试项目 Test item	结果 Result	要求 Requirement
(4)	感官 Sensory	色泽正常, 无污物, 无毛刺 Normal colour, No dirt, No burr	色泽正常, 无污物, 无毛刺 Normal colour, No dirt, No burr.
	浸泡液 (蒸馏水, 4% 乙酸, 50% 乙醇, 人工唾液) Soaking solutions (Distilled water, 4% acetic acid, 50% ethanol, artificial saliva)	无着色, 无浑浊, 无沉淀, 无异味。 No colour, No turbidity, No precipitation, No smell.	无着色, 无浑浊, 无沉淀, 无异味。 No colour, No turbidity, No precipitation, No smell.



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二. 理化指标 Physicochemical index:

测试项目 Test Item	测试条件 Test condition		结果 Result	检出限 Reporting limit	限值 Limit
	模拟物 Simulant	温度时间 Temperature, Time	(4)		
总迁移量(mg/kg) overall migration (mg/kg)	10%乙醇 10% Ethanol	40 °C, 24h	ND	1	30
	4%乙酸 4% acetic acid	40 °C, 24h	ND	1	60
	50%乙醇 50% Ethanol	40 °C, 24h	ND	1	60
高锰酸钾消耗量(mg/kg) Consumption of Potassium Permanganate(mg/kg)	蒸馏水 distilled water	40 °C, 24h	2	1	10
重金属(以铅计)(mg/kg) Heavy Metal (as Pb) (mg/kg)	4%乙酸 4% acetic acid	40 °C, 24h	ND	1	1
锌(Zn)迁移量(mg/kg) Migration of Zn (mg/kg)	4%乙 4% acetic acid 酸	40 °C, 24h	ND	0.06	5
N-亚硝胺释放量(mg/kg) Release of N-Nitrosamine (mg/kg)	人工唾液 artificial saliva	40 °C, 24h	ND	0.005	0.01
N-亚硝胺可生成物释放量(mg/kg) Release of N-Nitrosatable Substances (mg/kg)	人工唾液 artificial saliva	40 °C, 24h	ND	0.05	0.1
挥发性物质(%) Volatile Organic Compound(%)	--	--	0.25	0.05	0.5





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N-亚硝胺类物质测试包括以下：N-亚硝基二甲胺(N-Nitrosodimethylamine, NDMA), N-亚硝基二乙胺(N-nitrosodiethylamine, NDEA), N-亚硝基二丙胺(N-nitrosodipropylamine, NDPA), N-亚硝基二丁胺(N-nitrosodibutylamine, NDBA), N-亚硝基哌啶(N-nitrosopiperidine, NPIP), N-亚硝基吡咯烷(N-nitrosopyrrolidine, NPYR), N-亚硝基吗啉(N-nitrosomorpholine, NMOR), N-亚硝基二苄胺(N-nitrosodibenzylamine, NDBzA), N-亚硝基二异壬胺(N-nitrosodiisononylamine, NDINA), N-亚硝基-N-甲基-N-苯胺(N-nitroso-N-methyl-N-phenylamine, NMPPhA), N-亚硝基-N-乙基-N-苯胺(N-nitroso-N-ethyl-N-phenylamine, NEPhA)

ND = 未检出 Not detected

测试部件：见报告尾页测试组份表  
Test component(s): See component list in the last section of this report

测试组份表 component list:

- (1) Transparent polyamide plastic (body).  
透明的聚酰胺胶料（瓶身）。
- (2) Red PP plastic (screwed ring).  
红色的PP胶料（垫环）。
- (3) Red PP plastic (hood, lid).  
红色的PP胶料（上盖，盖子）。
- (4) Transparent silicone (sucker).  
透明的硅胶（吸嘴）。

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报告结束 End of report

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