



中国认可
国际互认
检测
TESTING
CNAS L0218



Test Report



Test Report No. : 轻委2020-03-0013

Applicant: Heyuan Baolan Plastic Products -
co., ltd

Sample Name: disposable PE gloves

Type and Specification: 100pcs/package 260mm×250mm×0. -
01mm

Completion Date: 2020-03-12

National Quality Supervision and Testing Center for Packaging Products (Guangzhou)



Important Statement

1. Guangzhou Quality Supervision and Testing Institute (GQT) is the products quality supervision and testing organization that is set up by the Government and in charge by Guangzhou Administration for Market Regulation. GQT is a social public welfare institution that providing technical support for the government to strengthen the market supervision and administration, and also accepting commissioned inspection.
2. GQT and the National Quality Supervision and Testing center (center) and the Products Quality Supervision and Testing Station (station) guarantee that the inspection is scientific, impartial and accurate and are responsible for the testing result and also keep confidentiality of the samples and technical information provided by the applicants.
3. Any report without the signatures of the tester, checker and approver, or altered, or without the special chapter for Inspection and Testing of the Institute (center/station), or without the special testing seal, will be taken as invalid. The test shall not be partial copied, picked up and tampered without the authorization of GQT (Center/ Station).
4. The entrusted testing is only valid to the provided samples. The applicant shall not use the inspection results without authorization of GQT (Center/ Station) for undue publicity.
5. The sample and relevant information provided by the applicant, GQT (Center/Station) is not responsible for its authenticity and integrity.
6. If there is any objection to the inspection report, it shall be submitted to GQT (Center/Station) within fifteen days since the report is received. It will not be accepted after the deadline.

Business Contact

Food	020-83390395	020-83655806	020-83187077	
Chemical Product	020-83186957	020-83193967	020-83392709	020-31002536
Light Industrial and Packaging Products	020-83354114	020-83398676	020-83183524	020-82022363
Construction Material				
Fire Protection	020-83334528	020-82022335	020-83355302	020-83380817
Environmental Protection				
Light Industrial Products		020-82022358	020-83398701	
Electrical & Mechanical Equipments				
Complaint Handling: Quality Assurance Review Department			020-83179105	
Sample Returning: Sample Warehouse			020-83186557	

Address: No.1-2, Zhujiang Road, Chaotian Industrial Area, Shilou, Panyu District, Guangzhou, Guangdong Province, PR China (Headquarters). Zip code: 511447

No. 38 Erma Road, Baqi, Yuexiu District, Guangzhou, Guangdong Province, PR China (Branch). Zip code: 510110

Report Progress, True and False Inquiries

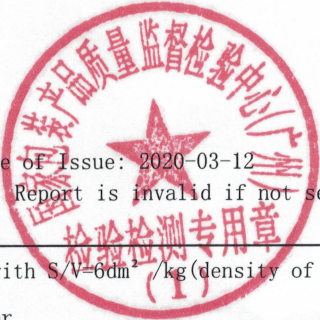
Website: www.qmark.com.cn

Quick Response Code(QR Code): On the lower right corner of the report's first page

Test Report

№ 轻委2020-03-0013

Page 1 of 4

Sample Name	disposable PE gloves	Production Date	2020-02-24
Trademark	Baolan	Lot No.	----
Type/Specification/Grade	100pcs/package 260mm×250mm×0.01mm	Expiration Date	24个月
Applicant	Heyuan Baolan Plastic Products co., ltd	Contract No.	CLW2002026YQ-1
		Contract Category	Applicant Test
Manufacturer	Heyuan Baolan Plastic Products co., ltd	Sample Quantity	200pce
		Sampling Date	2020-02-26
Sampling Way	Submit by applicant	Completion Date	2020-03-09
Test Reference	DB44/T 1447-2014 Disposable polyethylene glove, GB 4806.7-2016 National Food Safety Standard Plastic Materials and Articles in Contact with Foodstuffs		
Judge Reference	DB44/T 1447-2014 Disposable polyethylene glove, GB 4806.7-2016 National Food Safety Standard Plastic Materials and Articles in Contact with Foodstuffs		
Condition of Sample	Normal		
Test Environment	22°C, 50%RH		
Test Conclusion	The test items meet the requirements of DB44/T 1447-2014 and GB 4806.7-2016.		
Remarks			
	<p>Date of Issue: 2020-03-12 Report is invalid if not sealed.</p>		
Remarks	<p>1. Client claims that the material of the sample:PE;The client agrees with S/V=6dm³/kg (density of liquid food is 1kg/L). 2. Simulates and migration test conditions are specified by the customer. 3. The standard "DB44/T 1447-2014 Disposable polyethylene glove" has been repealed, This report is required by the client to test according to DB44/T 1447-2014</p>		

Approved by

程小焯

Verified by

李石欣

Tested by

冯祥皓



(0622/2020.03.12)

Test Report

№ 轻委2020-03-0013

Page 2 of 4

No.	Test Items	Unit	Reference Requirement	Test Results	Assess
			----	----	
DB44/T 1447-2014 Disposable polyethylene glove					
1	Appearance	---	1. Gloves should be clean and smooth, should not have bubbles, holes, scars, wrinkles, exposed tendons, poor plasticization, rigid blocks or other defects affecting use. 2. The color should be uniform, no obvious impurities, black spots or stains. 3. The heat sealing part should be smooth without virtual sealing. The fracture should be neat. There should be no adhesion between the two films (except the heat sealing part) 4. There should be embossing on the surface and / or dislocation at the opening for easy opening and wearing	Meet the requirement	Pass
2	Relative deviation of length	%	± 5	-1.5~+0.4	Pass
3	Relative deviation of width	%	± 5	0~+0.4	Pass
4	Relative deviation of cuff width	%	± 5	-0.7~0	Pass
5	Limit deviation of thickness	mm	-0.005~+0.008	-0.002~+0.002	Pass
6	Average deviation of thickness	%	± 20	0	Pass
7	Quantity deviation	---	Nominal net quantity(Qn): ---- Qn \leq 50: Not allowed shortage Qn $>$ 50: Allowable shortage(Qn \times 1%), as \geq -1%	Not apply	----
8	Tensile strength	MPa	≥ 10	MD: 69.9 TD: 59.4	Pass
9	Nominal strain at break	%	≥ 100	MD: 270 TD: 550	Pass
10	Water impermeabili	---	Take 3 gloves, fill with 23 $^{\circ}$ C \pm 2 $^{\circ}$ C water to 40mm \pm 5mm away from the cuff, stand for 3min, observe and wipe the surface of the sample and the heat sealing position with filter paper, and there should be no crack or leakage	Meet the requirement	Pass

Approved by

程小炼

Verified by

李石欣

Tested by

冯祥皓



(0622/2020.03.12)

Test Report

№ 轻委2020-03-0013

Page 3 of 4

No.	Test Items	Unit	Reference Requirement	Test Results	Assess
			----	----	
11	Fatigue resistance	---	After 30 times of clenching and relaxing, the gloves should be free of obvious deformation and crack, and then check them according to the item of "Water impermeability". Every part should be no leakage. Test 3 samples	Meet the requirement	Pass
12	Temperature resistance	---	Hot water resistance: Take 3 samples, put them into the hot water at $50^{\circ}\text{C} \pm 3^{\circ}\text{C}$, soak them to $40\text{mm} \pm 5\text{mm}$ from the edge of the cuff, take them out 15 minutes later, use filter paper to dry the water on the surface, check whether the gloves have obvious deformation and wrinkle, and then check them according to the item of "Water impermeability". Every part should be free of crack and leakage	Meet the requirement	Pass
			Hot oil resistance: Take 3 samples, put them into the refined vegetable oil at $50^{\circ}\text{C} \pm 3^{\circ}\text{C}$, soak them to $40\text{mm} \pm 5\text{mm}$ from the edge of the cuff, take them out 15 minutes later, use the filter paper to dry the oil on the surface, check whether the gloves have obvious deformation and wrinkle, and then check them according to the item of "Water impermeability". Every part should be free of crack and leakage	Meet the requirement	
GB 4806.7-2016 National Food Safety Standard Plastic Materials and Articles in Contact with Foodstuffs					
13	Sensory requirements :Sensory	----	Normal color, no abnormal odor or impurities	Accord with standard requirements	Pass
14	Sensory requirements :Simulants	----	The simulants obtained from the migration test shows no turbidity, precipitation, abnormal odor or other organoleptic deterioration.	Accord with standard requirements	Pass
15	Overall migration: 4% Acetic acid (V/V), 70°C, 2h	mg/dm ²	≤10	<2.0	Pass
16	Overall migration: 10% Ethanol (V/V), 70°C, 2h	mg/dm ²	≤10	<2.0	Pass
17	Overall migration: 50% Ethanol (V/V), 70°C, 2h	mg/dm ²	≤10	<2.0	Pass

Approved by

程小炼

Verified by

李石欣

Tested by

冯祥皓



(0622/2020.03.12)

Test Report

№ 轻委2020-03-0013

Page 4 of 4

No.	Test Items	Unit	Reference Requirement	Test Results	Assess
			----	----	
18	Overall migration: Isooctane, 70°C, 2h	mg/dm ²	≤10	2.2 (Correction factor f=1)	Pass
19	Potassium permanganate consumption (Water, 60°C, 2h)	mg/kg	≤10	<1.0	Pass
20	Heavy metal (expressed as Pb) (4% Acetic acid (V/V), 60°C, 2h)	mg/kg	≤1	<1	Pass



Approved by

程小炼

Verified by

李石欣

Tested by

冯祥皓



(0622/2020.03.12)