



中国认可  
国际互认  
检测  
TESTING  
CNAS L7038

Test Report No.: 66.430.23.0416.01  
Dated: 2023-08-15



Applicant: Gamilon (shandong) Import and Export Co., Ltd.  
2118, floor 21, east bank time solo, Southeast of the intersection of Nanjing  
Address: East Road and Binbe. East Road, Hedong District, Linyi City, Shandong  
Province  
Contact Person: Zhang Qinglun  
Sample Submitted: The sample(s) was (were) submitted by applicant and identified:  
A. 8 pairs of Red gloves (the whole gloves)  
Sample Description: Protective gloves  
Colour: Red  
Style No.: PVC-131  
Fiber Content: 15%nylon 85% PVC  
Manufactory: Gamilon (shandong) Import and Export Co., Ltd.  
Country of Origin: Linyi  
Receipt Date of Sample: 2023-08-07  
Date of Testing: 2023-08-07 to 2023-08-14  
Test Result(s): Refer to the Section 3 and 4

Note: (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied.

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(2) The results relate only to the items tested.

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(5) This report is for customer's internal use and reference only, such as internal scientific research, education, quality control, product improvement.

Laboratory:  
TÜV SÜD Certification and Testing  
(China) Co., Ltd. Xiamen Branch  
Testing Location: Xiamen  
Form No.: TC\_XMN\_F\_24.04 E  
Rev: A/0  
Effective Date: 2015-03-23

Phone: +86 592 7706188  
Fax: +86 592 7706288  
E-mail:  
[Report.Softlines@tuvsud.com](mailto:Report.Softlines@tuvsud.com)  
Web: [www.tuvsud.cn](http://www.tuvsud.cn)

Regd. Office:  
TÜV SÜD Certification and Testing (China) Co., Ltd. Xiamen  
Branch  
Unit 401 No.93 Huli Industrial Park, Meixi Road, Tong'an District,  
Xiamen 361100 P. R. China





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## 1. Test Sample Photo(s)

Sample A





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## 2. Identification of The Test Subject

Sample	Description	Remark
A	001 Red coated fabric with White backing (whole gloves)	-
	002 White fabric(lining)	-





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### 3. Conclusion:

No.	Test Parameter(s)	Conclusion*
1.	Glove Design and Construction – General	Pass
2.	Sizing and Measurement of Gloves	Pass
3.	Dexterity	Level 5
4.	Abrasion Resistance	Level 3
5.	Blade Cut Resistance (Index)	Level 1
6.	Tear Strength	Level 3
7.	Puncture Resistance	Level 1
8.	pH Value	Pass
9.	Polycyclic Aromatic Hydrocarbons (PAHs) Content Test	Pass

Notes: Pass = Meet Requirement  
# = No Comment  
N/A = Not Applicable

Fail = Below Requirement  
- = Did Not Perform

Remark: (1) Samples are tested as received (2) \* denotes conclusion was drawn according to the client's specification

#### Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

TÜV SÜD Certification and Testing (China) Co., Ltd. Xiamen Branch

Approved by:

*Damon*

Damon Zheng  
Softlines Department



*Nemo*

Nemo Chen  
Softlines Department



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#### 4. Test Result(s)

##### 4.1 Glove Design and Construction – General (EN ISO 21420:2020 Clause 4.1)

Sample	Parameters	Results	Requirement	Conclusion
A	Design	Comply	The protective glove shall be designed and manufactured so that in the foreseeable conditions of use the wearer can perform the activity as normally as possible with an appropriate protection.	Pass

##### 4.2 Sizing and Measurement of Gloves (EN ISO 21420:2020 Clause 5.1 & 6.1)

Sample	Parameters	Results	Requirement	Conclusion
A	Fitting	Fit size 10	Sizes of gloves are defined with respect to the sizes of the hands they are to fit	Pass

##### 4.3 Dexterity (EN ISO 21420:2020 Clause 5.2 & 6.2)

Sample	Specimen	Parameters	Results (mm)	Classification
A	Specimen 1	The smallest diameter of the pin that can be picked up	5	/
	Specimen 2	The smallest diameter of the pin that can be picked up	5	
	Specimen 3	The smallest diameter of the pin that can be picked up	5	
	Specimen 4	The smallest diameter of the pin that can be picked up	5	
	The smallest performance level		5	Level 5

Remark:

Performance level	0	1	2	3	4	5
Smallest diameter of pin (mm)	No pin can be picked up	11.0	9.5	8.0	6.5	5

##### 4.4 Abrasion Resistance (EN 388:2016+A1:2018 Clause 4.1 & 6.1)

Pressure: (9.0 ± 0.2) kPa

Abrasive paper: Grit 180

Sample	Parameters	Results (Cycles)	Requirement	Classification
A001	Specimen 1	Breakthrough rubs	/	/
	Specimen 2	Breakthrough rubs		
	Specimen 3	Breakthrough rubs		
	Specimen 4	Breakthrough rubs		
	The lowest of the above values		*	Level 3

Remark: \* =

Performance level	1	2	3	4
Number of rubs	100	500	2,000	8,000



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#### 4.5 Blade Cut Resistance (Index) (EN 388:2016+A1:2018 Clause 4.1 & 6.2)

Sample	Specimen	Sequence	Control specimen C <sub>n</sub>	Test specimen T	Control specimen C <sub>n+1</sub>	Index I	Requirement	Classification
A001	Specimen 1	1	1.1	0.5	1.1	1.45	/	/
		2	1.1	0.5	1.1	1.45		
		3	1.1	0.6	1.3	1.50		
		4	1.3	0.5	1.3	1.38		
		5	1.3	0.6	1.4	1.44		
		Final Index Value				1.45		
	Specimen 2	1	1.3	0.5	1.3	1.38		
		2	1.3	0.6	1.3	1.46		
		3	1.3	0.5	1.2	1.40		
		4	1.2	0.5	1.3	1.40		
		5	1.3	0.6	1.3	1.46		
		Final Index Value				1.42		
	The lowest of the two calculated index values					1.42	*	Level 1

Remark:

\* =

Performance level	1	2	3	4	5
index	1.2	2.5	5.0	10.0	20.0

#### 4.6 Tear Strength (EN 388:2016+A1:2018 Clause 4.1 & 6.4)

Sample	Direction	Parameters	Results (N)	Requirement	Classification
A001	Along cuff to fingertips	Specimen 1	> 75	/	/
		Specimen 2	> 75		
	Across the palm width	Specimen 1	61.1		
		Specimen 2	58.0		
	The lowest of the individual values		58.0	*	Level 3

Remark: \* =

Performance level	1	2	3	4
Tear Force (N)	10	25	50	75



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#### 4.7 Puncture Resistance (EN 388:2016+A1:2018 Clause 4.1 & 6.5)

Sample	Parameters		Results (N)	Requirement	Classification
A001	The highest value of the force	Specimen 1	36.0	/	/
		Specimen 2	37.6		
		Specimen 3	32.1		
		Specimen 4	44.7		
	The lowest of the individual values		32.1	*	Level 1

Remark: \* =

Performance level	1	2	3	4
Puncture Resistance (N)	20	60	100	150

#### 4.8 pH Value

Test with reference to ISO 3071:2020, using KCl solution, determined by pH meter.

Test Sample	Results	Requirement	Conclusion
A002	6.4	3.5-9.5	Pass

#### 4.9 Polycyclic Aromatic Hydrocarbons (PAHs) Content Test

Test with reference to ISO 16190:2021, determined by GC-MS

[Reporting Limit = 0.1 mg/kg]

No	Substances List	CAS No.	Result [mg/kg]	Client's Requirement
			A001	
1	Benzo[a]pyrene	50-32-8	N.D.	Each <1 mg/kg
2	Benzo[e]pyrene	192-97-2	N.D.	
3	Benzo[a]anthracene	56-55-3	N.D.	
4	Benzo[b]fluoranthene	205-99-2	N.D.	
5	Benzo[j]fluoranthene	205-82-3	N.D.	
6	Benzo[k]fluoranthene	207-08-9	N.D.	
7	Chrysene	218-01-9	N.D.	
8	Dibenzo[ah]anthracene	53-70-3	N.D.	
Conclusion			Pass	-

- Notes:
1. "mg/kg" denotes milligram per kilogram
  2. "N.D." denotes Not Detected
  3. "<" denotes less than

-- END OF THE TEST REPORT --