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中国认可
国际互认
检测
TESTING
CNAS L10118

国健检测

Test Report

Report No. :GW0746-2023

Product Name	Cut-resistant Gloves
Client	Ningbo Deli Information Technology Co., Ltd.
Manufacturer	Ningbo Deli Information Technology Co., Ltd.
Test Type	Entrusted inspection

Jiangsu Guojian Testing Technology Co.,Ltd

苏国健检测技术有限公司
检验专用章

Test Report

Report No.:GW0746-2023

Product name	Cut-resistant Gloves	Specification	EDL521043
		Brand	Deli
Client/Add/Tel	Ningbo Deli Information Technology Co., Ltd. / Room 701-16, Building 1, No. 111 Xinkai Road, Daxie Development Zone, Ningbo City, Zhejiang Province /19967305850		
Manufacturer/Add/Tel	Ningbo Deli Information Technology Co., Ltd. / Room 701-16, Building 1, No. 111 Xinkai Road, Daxie Development Zone, Ningbo City, Zhejiang Province/—		
Sample grade	—	Sample number	GW0746-2023
Sample quantity	12 Pairs	Receiving date of sample	23/04/2023
Test type	Entrusted inspection	Article number/Batch number/Style number	—
Test date	23/04/2023~25/04/2023	Testing sites	Testing rooms
Sample state	Meeting the requirements of testing	Sample description	See sample photo
Test standard(s)	EN ISO 21420:2020 Protective gloves - General requirements and test methods EN 388:2016+A1:2018 Protective gloves against mechanical risks		
Test item(s)	pH value, azo colorants which release carcinogenic amines, abrasion resistance, blade cut resistance, tear resistance, puncture resistance, sizing of gloves, dexterity		
Test result	The detail of test results see on Pages 2-5. Issue date: 25/04/2023		
Note	For the entrusted sample test, the technical responsibilities are undertaken for the test results of the supplied samples only. The client requires the test items of sizing of gloves and dexterity to be made conformity assessments in accordance with technical requirements of enterprises.		

江苏国健检测技术有限公司 检验专用章

Approver: 苏裕释 Reviewer: 十平 Editor: 邱毅敏

Test Result

S.No.	Test item	Unit	Technical requirement	Test result		Single item decision
1	pH value	—	3.5~9.5	6.1		Pass
2	Azo colorants which release carcinogenic amines	mg/kg	Banned	4-Aminodiphenyl	Not detected	Pass
				Benzidine	Not detected	
				4-Chloro-o-toluidine	Not detected	
				2-Naphthylamine	Not detected	
				o-Aminoazotoluene	Not detected	
				5-nitro-o-toluidine	Not detected	
				p-Chloroaniline	Not detected	
				2,4-Diaminoanisole	Not detected	
				4,4'-Diaminobiphenylmethane	Not detected	
				3,3'-Dichlorobenzidine	Not detected	
				3,3'-Dimethoxybenzidine	Not detected	
				3,3'-Dimethylbenzidine	Not detected	
				3,3'-dimethyl-4,4'-diaminodiphenylmethane	Not detected	
				p-Cresidine	Not detected	
				4,4'-Methylen-bis-(2-chloraniline)	Not detected	
				4,4'-Oxydianiline	Not detected	
				4,4'-Thiodianiline	Not detected	
				o-Toluidine	Not detected	
				2,4-Toluylendiamine	Not detected	
				2,4,5,-Trimethylaniline	Not detected	
				o-anisidine	Not detected	
				4-Aminoazobenzene	Not detected	

Test Result

S.No.	Test item	Unit	Technical requirement	Test result					Single item decision
3	Abrasion resistance	—	The gloves shall at least comply with performance level 1.	Sample	No.1	No.2	No.3	No.4	Pass
				Number of rubs	>8000	>8000	>8000	>8000	
				Minimum	>8000				
				Recommended level	Level 4				
			Note: 1) Level 1:100 rubs; Level 2:500 rubs; Level 3:2000 rubs; Level 4:8000 rubs 2) Reference of the used consumables: Abrasive paper: Klingspor PL31B,Grit 180; Adhesive tape: 3M products core series XQ						
4	Blade cut resistance	—	The gloves shall at least comply with performance level 1.	Sample	No.1	No.2			Pass
				Index	25.2	25.1			
				Minimum	25.1				
				Recommended level	Level 5				
			Note: 1) Level 1:1.2 index; Level 2:2.5 index; Level 3:5.0 index; Level 4:10.0index ; Level 5:20.0index 2) Reference of the used consumables: Blade: OLFA® RB 45mm Canvas: STM 611, batch reference 40133						
5	Tear resistance	—	The gloves shall at least comply with performance level 1.	Sample	No.1	No.2	No.3	No.4	Pass
				Force value/N	82.377	95.047	102.578	99.008	
				Minimum/N	82.377				
				Recommended level	Level 4				
			Note: Level 1: 10 N; Level 2: 25 N; Level 3: 50 N; Level 4: 75 N						
6	Puncture resistance	—	The gloves shall at least comply with performance level 1.	Sample	No.1	No.2	No.3	No.4	Pass
				Force value/N	164.164	154.042	156.467	158.868	
				Minimum/N	154.042				
				Recommended level	Level 4				
			Note: Level 1: 20 N; Level 2: 60 N; Level 3: 100 N; Level 4: 150 N						

Test Result

S.No.	Test item	Unit	Technical requirement		Test result	Single item decision
7	Sizing of gloves	mm	Length ≥250		Size L Length 1: 250 Length 2: 250 Length 3: 252	Pass
8	Dexterity	—	Level of performance	Smallest diameter of pin fulfilling test conditions	Level 5 Smallest diameter of pin fulfilling test conditions: 5.0mm	Pass
			☐1	11.0		
			☐2	9.5		
			☐3	8.0		
			☐4	6.5		
			☑5	5.0		
Note	According to ISO 14362-1:2017, the test result is not detected if the concentration of azo colorants which release carcinogenic amines is less than 5mg/kg.					

Test Result

Annex A- Sample Photo

The End

Points For Attention

1. This test report shall not be valid if it is not stamped with this Company special seal or data modification for the test report.
2. Any dissidence with the test results in this report should be submitted to this Company within 15 days from the date of receiving the report.
3. As for entrusted inspection of sample supplied by client, this Company is only responsible for the test results of the sample, which are used to provide the client with a good understanding of the sample quality.
4. This test report shall not be reproduced in any way without permission. The copy of the test report shall be reproduced in full and shall be valid after confirmed by this Company for affixing the special seal of test report.
5. The remaining samples of the test must be taken back within three months or shelf life whichever is shorter from receiving this test report. Those which are overdue to be taken back will be dealt with in accordance with this Company's regulations.

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