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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT91097112

Date: Mar 16, 2022

Applicant: GUANGDONG KINGFA SCI.&TECH.CO.,LTD.
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GUANGDONG PROVINCE,CHINA
Attn: XUE ZI YUN

Sample Description:

- Three (3) groups of submitted samples said to be:
- (A) Three Hundred and Sixty (360) pieces of BIO-G01 Nitrile Examination Gloves in Blue
- (B) Eighty (80) pieces of BIO-G02 Nitrile Examination Gloves in Blue Violet
- (C) Sixty (60) pieces of BIO-G05 Nitrile Examination Gloves in Green.

Standard : EN 455-1:2020
BS EN 455-2:2015 / EN 455-2:2015
EN 455-3:2015

Style No./Name : BIO-G01/BIO-G02/BIO-G05

Colors : Blue/Blue Violet/Green

Size Range : S, M, L, XL

Palm : Nitrile

Back : Nitrile

Cuff : Nitrile

Cuff Binding : Nitrile

Lining : Nitrile

Date Received/Date Test Started: Mar 01, 2022

Date Final Information Confirmed/ --/--

Date Payment Received:

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
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1 Watertightness Test For Detection Of Holes For Examination Gloves (EN 455-1:2020, 5)

Results			Requirement			Pass/Fail
(A)	Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
	No Leakage	0	No Leakage	1.5	200 [7 8]	Pass

Remark: n Means Sample Size, Ac Means Acceptance Number, Re Means Rejection Number.

2 Dimensions Of Examination Gloves (BS EN 455-2:2015 / EN 455-2:2015, 4)

Sample	Size	Measurement		Requirement	Pass/Fail
		Median Length (mm)	Median Width (mm)		
(A)	Small	246	87	*	Pass
	Medium	248	98	*	Pass
	Large	246	107	*	Pass
	Extra Large	245	115	*	Pass

Sample	Size	Measurement		Requirement	Pass/Fail
		Median Length (mm)	Median Width (mm)		
(B)	Small	243	88	*	Pass
	Medium	243	97	*	Pass
	Large	241	107	*	Pass
	Extra Large	244	113	*	Pass

Sample	Size	Measurement		Requirement	Pass/Fail
		Median Length (mm)	Median Width (mm)		
(C)	Small	244	89	*	Pass
	Medium	245	99	*	Pass
	Large	245	109	*	Pass
	Extra Large	246	117	*	Pass





Dimensions Of Examination Gloves (BS EN 455-2:2015 / EN 455-2:2015, 4) (Cont)

Test Data:

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(A)	S	1	247	87
		2	248	88
		3	245	87
		4	247	88
		5	246	88
		6	242	87
		7	245	88
		8	246	87
		9	246	87
		10	247	87
		11	246	88
		12	245	86
		13	245	87
		Median Value	246	87

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(A)	M	1	251	99
		2	248	99
		3	249	98
		4	245	98
		5	239	98
		6	245	98
		7	242	98
		8	248	100
		9	246	98
		10	249	99
		11	252	99
		12	248	100
		13	247	98
		Median Value	248	98





Dimensions Of Examination Gloves (BS EN 455-2:2015 / EN 455-2:2015, 4) (Cont)

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(A)	L	1	246	105
		2	245	106
		3	252	106
		4	249	107
		5	249	108
		6	253	108
		7	244	107
		8	246	107
		9	246	107
		10	245	107
		11	246	107
		12	247	107
		13	245	108
	Median Value	246	107	

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(A)	XL	1	240	116
		2	243	117
		3	247	115
		4	246	116
		5	247	115
		6	244	115
		7	248	115
		8	245	115
		9	242	116
		10	249	116
		11	241	116
		12	247	115
		13	246	115
	Median Value	245	115	





Dimensions Of Examination Gloves (BS EN 455-2:2015 / EN 455-2:2015, 4) (Cont)

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(B)	S	1	245	88
		2	241	86
		3	244	89
		4	241	88
		5	243	88
		6	245	88
		7	245	88
		8	246	87
		9	241	88
		10	242	88
		11	241	88
		12	242	86
		13	244	88
		Median Value	243	88

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(B)	M	1	243	98
		2	241	98
		3	242	97
		4	241	97
		5	244	97
		6	242	98
		7	246	98
		8	242	97
		9	243	96
		10	243	97
		11	246	97
		12	243	97
		13	241	98
		Median Value	243	97



Dimensions Of Examination Gloves (BS EN 455-2:2015 / EN 455-2:2015, 4) (Cont)

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(B)	L	1	244	107
		2	241	107
		3	243	107
		4	240	108
		5	241	108
		6	241	107
		7	243	107
		8	241	107
		9	242	108
		10	241	107
		11	242	108
		12	241	107
		13	235	108
		Median Value		241

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(B)	XL	1	241	112
		2	249	112
		3	241	112
		4	248	113
		5	240	113
		6	242	111
		7	246	113
		8	248	113
		9	249	114
		10	240	112
		11	240	113
		12	247	113
		13	244	112
		Median Value		244



Dimensions Of Examination Gloves (BS EN 455-2:2015 / EN 455-2:2015, 4) (Cont)

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(C)	S	1	244	89
		2	240	89
		3	244	89
		4	242	89
		5	240	89
		6	243	89
		7	247	89
		8	250	88
		9	249	89
		10	244	88
		11	242	88
		12	240	89
		13	248	90
		Median Value		244

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(C)	M	1	244	99
		2	245	99
		3	249	99
		4	246	100
		5	243	99
		6	247	99
		7	246	99
		8	247	99
		9	243	99
		10	249	98
		11	243	99
		12	244	99
		13	244	99
		Median Value		245



Dimensions Of Examination Gloves (BS EN 455-2:2015 / EN 455-2:2015, 4) (Cont)

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(C)	L	1	243	108
		2	248	108
		3	247	108
		4	246	109
		5	243	110
		6	243	109
		7	246	109
		8	249	109
		9	243	109
		10	245	108
		11	248	108
		12	240	108
		13	247	109
	Median Value	245	109	

Sample	Size	Specimen	Results	
			Length (mm)	Width (mm)
(C)	XL	1	248	115
		2	246	116
		3	249	116
		4	245	116
		5	246	116
		6	241	117
		7	246	117
		8	241	117
		9	247	118
		10	248	117
		11	248	118
		12	241	118
		13	248	117
	Median Value	246	117	

Remark: * = Dimensions Of Examination Gloves

Size	Median Length (mm)	Median Width (mm)
Extra Small	≥ 240	≤ 80
Small		80 ± 10
Medium		95 ± 10
Large		110 ± 10
Extra Large		≥ 110

Note: The Width Requirements Are For Gloves Made From Natural Rubber Latex And All Other Elastomeric Material. These Dimensions May Not Appropriate For Gloves Made From Other Materials.



3 Force At Break (EN 455-2:2015, 5.2 & 5.3 & ISO 188:2007)

(A)	Total Number Tested	Result	Requirement	Pass/Fail
	13	Before Challenge Testing Median Values Of Force At Break 8.2 N	Min. 6.0 N	Pass
13	After Challenge Testing (70°C, 7 Days) Median Values Of Force At Break 9.1 N	Min. 6.0 N	Pass	

Test Data:

Condition	Specimen	Results	
		Force At Break (N)	Median Value (N)
Before Challenge Testing	1	8.2	8.2
	2	7.8	
	3	9.0	
	4	9.5	
	5	7.4	
	6	8.2	
	7	8.8	
	8	7.3	
	9	8.2	
	10	7.7	
	11	10.5	
	12	9.2	
	13	8.2	

Condition	Specimen	Results	
		Force At Break (N)	Median Value (N)
After Challenge Testing (70°C, 7 Days)	1	8.8	9.1
	2	10.3	
	3	9.1	
	4	8.8	
	5	10.4	
	6	8.4	
	7	9.6	
	8	8.9	
	9	8.7	
	10	10.5	
	11	9.7	
	12	10.8	
	13	7.6	





4 Chemicals (EN 455-3:2015, 4.2)

(A)			
Requirements	Pass	Fail	N/A
Gloves Shall Not Be Dressed With Talcum Powder (Magnesium Silicate).	√		
The Manufacturer Shall Disclose, Upon Request, A List Of Chemical Ingredients Either Added During Manufacturing Or Already Known To Be Present In The Product Such As Accelerators, Antioxidants And Biocides That Are Known To Cause Adverse Health Effects Based On Current Data.	√		
Upon Request The Manufacturer Shall Provide Evidence Of The Steps Taken To Reduce The Risk To The End-User Of Exposure To Chemicals Used In The Manufacturing Process Which, Based On Current Data, Are Known To Cause Adverse Health Effects.	√		
Manufacturers May Only Declare The Absence Of A Substance If The Substance Is Not Used In Any Part Of The Manufacturing Process. No Compounds Shall Be Used In The Manufacture Of The Product That Is Known To Form A Substance That Is Subject Of Such A Declaration.	√		

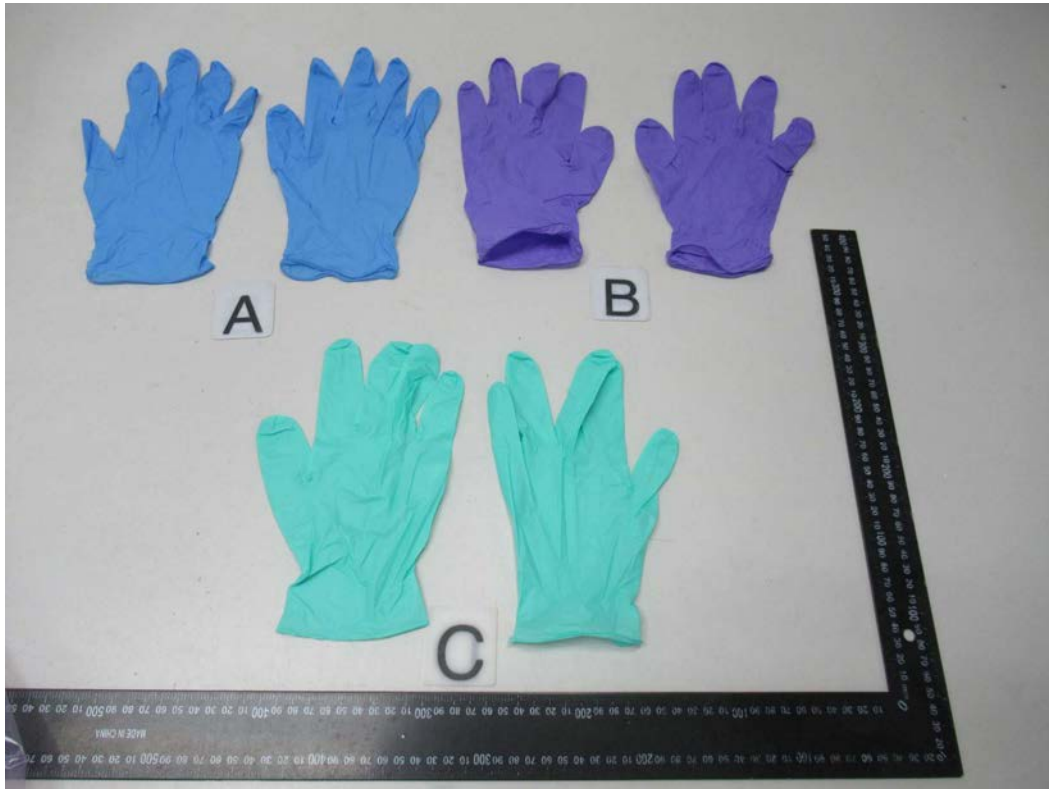
Compliance: The Submitted Sample **MEETS** The Requirements Of EN 455-3:2015 Clause 4.2 For Chemicals.

5 Powder Residues (EN 455-3:2015, 5.2 & EN ISO 21171:2006, Method B – Procedure For Powder-free Gloves)

Result	Requirement	Comment
(A) 0.1 mg/Glove	*	Powder-free Gloves

Remark: * = The Powder Residues Of Powder-free Gloves Shall Not Exceed 2 mg Per Glove.
The Powder Residues Of Powdered Gloves Is More Than 2 mg Per Glove.





End Of Report

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