

Gorilla Nitrile I

Powder Free Nitrile Examination Glove



Standards:

EN 455-1:2020, EN 455-2:2015
EN 455-3:2015, EN 347-1:2016+A1:2018
EN 374-2:2019, EN 374-5:2016, EN 13485:2016

Features:

Powder Free Nitrile Examination Glove
With Finger Texture
Thickness: 3.2mil, Average weight(Size: M):3.5gram
Material: Nitrile (NBR)
Type: Powder Free, Finish: Chlorinated
Quality level (AQL):1.5 (Premium), Length: 230mm (min)
Tensile Strength: 16Mpa (min)
Elongation at break: 450% (min)

Packing:

100 pieces / box
10 packets / carton

Dimension:

Dispenser box: 21.50cm x 11.20cm x 6.00cm
Carton: 31.50cm x 25.00cm x 22.50cm

Carton Weight:

Gross Weight: 6.5 kgs. / carton
Net Weight: 6.0 kgs. / carton

Volume:

CBM 0.0177

Origin:

China

Application:

Transferring liquids and solids
Sample taking and processing
Meat, fish and food processing
Maintenance
Laboratory analysis
Chemical handling



Sizes	Color	Item Code
Medium	Sky Blue	E133602121
Large	Sky Blue	E133602122
X Large	Sky Blue	E133602123

Gorilla Nitrile I

Powder Free Nitrile Examination Glove



Physical Properties

Results for EN 455-2:2015 Clause 4-5

Clause	Tests	Requirements (Median)	Number tested (pieces)	Results (Median)	Inferred results
	Dimensions a) Length (mm)	≥ 240	13	246	Passed
	b) Width (mm)	For Size S: 80 ± 10	13	83	Passed
	Strength a) Force at break (N)	For nitrile examination gloves: ≥6.0	13	7.6	Passed
	b) Force at break after challenge testing (N) 7 day at (70±2)°C	For nitrile examination gloves: ≥6.0	13	7.4	Passed

Results for EN 455-1:2020

Clause	Tests	Requirements	No. of non-compliers allowed (pieces)	Number tested (pieces)	Actual no. of non-compliers found (pieces)	Inferred results
4 5	Freedom from holes	Shall not leak	10	315	0	Passed

Results for EN 455-2:2015 Clause 7

Clause	Tests	Requirements	Results	Inferred results
7	Labelling	Manufacturers shall label the glove and/or the packaging with the date of manufacture in accordance with EN ISO 15223-1:2012 and EN 1041:2008+A1:2013. Date of manufacture is defined as the packaging date.	Observed	Passed

Results for EN 455-3:2015 Clause 4.4

Clause	Tests	Requirements	Results/Remarks	Inferred results
4.4 5.2	Powder-free gloves	For powder-free gloves: The total quantity of powder residues shall not exceed 2mg per glove.	0.52mg per glove	Passed

Requirements for EN ISO 21420: 2020 Clause 5.2 Dexterity

Performance level	1	2	3	4	5
Diameter of dexterity pin / mm	11.0	9.5	8.0	6.5	5.0

Gorilla Nitrile I

Powder Free Nitrile Examination Glove



EN ISO 21420:2020 Test Results

Clause/Test	Requirement	Test Results			UoM	Result	
5.1 Glove length, comfort and fit	N/A	Length /mm			±1.10mm	N/A	
		Size	1	2			3
		5-6	237	234			240
		Comfortable on fit					
		6-7	230	235			236
		Comfortable on fit					
		7-8	246	245			240
Comfortable on fit							
8-9	237	235	240				
Comfortable on fit							
9-10	254	256	260				
Comfortable on fit							
5.2 Dexterity	See previous table	Size	Minimum pin diameter/mm			N/A	Level 5
		5-6	5.0				
		6-7	5.0				
		7-8	5.0				
		8-9	5.0				

Requirements for EN ISO 374-2: 2019

Clause 7.2 Air leak	No leak detected
Clause 7.3 Water leak	No leak detected

EN ISO 374-2: 2019 Test Results

Clause/Test	Test Results		UoM	Result
7.2 Air leak test	Total air pressure used	3.1 kPa	N/A	Pass
	Sample size	Leaks		
	5-6	No leaks detected		
	6-7	No leaks detected		
	7-8	No leaks detected		
	8-9	No leaks detected		
7.3 Water leak test	Sample size	Leaks	N/A	Pass
	5-6	No leaks detected		
	6-7	No leaks detected		
	7-8	No leaks detected		
	8-9	No leaks detected		
	9-10	No leaks detected		

Gorilla Nitrile I

Powder Free Nitrile Examination Glove



Protection Against Viruses Test Results

Testing was conducted at a third-party laboratory and reported under their reference 21R000882. The laboratory is CNAS accredited to ISO 17025: 2017 with ISO 16604: 2004 included in their accreditation schedule.

Resistance to penetration by blood-borne pathogens results

Sample description: Disposable Powder Free Nitrile Gloves referenced as ZHPFNO2, colour: blue						
Test method	Specimen	Step 1 (0kPa, 5min)	Step 2 (14kPa, 1min)	Step 3 (0kPa, 4min)	Titre of phage Phi-X174 (PFU/mL)	Comment
ISO 16604: 2004 Procedure B Using retaining screen	+ control	Penetration	Penetration	Penetration	Penetration	Acceptable
	- control	No penetration	No penetration	No penetration	< 1	Acceptable
	1	Invisible penetration	Invisible penetration	Invisible penetration	< 1	Pass
	2	Invisible penetration	Invisible penetration	Invisible penetration	< 1	Pass
	3	Invisible penetration	Invisible penetration	Invisible penetration	< 1	Pass

Innocuousness Test Results

Testing was conducted at a third-party laboratory and reported under their reference A210304071001. The laboratory is CNAS accredited to ISO 17025: 2017.

Sample Item	Sample Description	Location	Style
I001	Disposable Powder Free Nitrile Gloves referenced as ZHPFNO2, colour: Blue	Gloves	-

pH Value - EN ISO 21420:2020

Test Method I: With reference to EN ISO 4045:2018, analyzed by pH meter.

Test Method II: With reference to ISO 3071:2020, analyzed by pH meter.

Requirement:	3.5-9.5
--------------	---------

-	Unit	Result
Test Items(s)	-	I001
Test Method	-	II
Parameter	-	-
pH Value of Extracting Solution	-	5.46
Temp. of Aqueous Extract	deg. C	25.1
pH value of Aqueous Extract	-	7.4
Difference Figure	-	-
Conclusion	-	Pass

Note / Key: deg. C = degree Celsius (°C) Temp. = Temperature

Remark: Result(s) was (were) reported the average value from two trials.

Gorilla Nitrile I

Powder Free Nitrile Examination Glove



Polycyclic Aromatic Hydrocarbons (PAHs) Content - EN ISO 21420:2020

Test Method: With reference to test method PD CEN ISO/TS 16190:2013

Maximum Allowable Limit:	Each of all listed PAHs: 1.0 mg/kg
---------------------------------	---

Tested Items(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I001	ND	ND	mg/kg	Pass

Note / Key : ND = Not detected(<Detection Limit) Detection Limit (mg/kg) : Each : 0.2;

mg/kg = milligram per kilogram = ppm = part per million

Remark: The list of polycyclic aromatic hydrocarbons is summarized in table of Appendix.

Dimethylformamide(DMEA) Content - EN ISO 21420:2020

Test Method: With reference to EN 16778:2016, and then analyzed by Gas Chromatograph Mass Spectrometer.

Analyte	Unit	Result	Client's Requirements
		Test Items(s)	
		I001	
Dimethylformamide(DMFA)	mg/kg	ND	1000
Conclusion	-	Pass	-

Note / Key : ND = Not detected (<Detection Limit) | Detection Limit (mg/kg): 5

mg/kg = milligram per kilogram = ppm = part per million

SATRA Technology Services (Dongguan) Ltd

Unit 110, Xinzhongyin Garden, Xiping

Nancheng District, Dongguan City

Guangdong Province, China

Tel: +86 (0) 769 22888020

email: info@satrafe.com

SATRA Reference: CHT0309328 /2109

Date: 23 March 2021

TÜV SÜD PSB Pte. Ltd.

No.1 Science Park Drive Singapore 118221

Phone : +65-6885 1333

Fax: +65-6776 8670

E-mail: enquiries@tuvsud.com

<https://www.tuvsud.com/en-sg> Co.

Reg: 199002667R

Test Report No. 7191240823-EEC20/01-LDY

Dated: 20 Oct 2020