December 3, 2022

Safeskin Retailing (HK) Limited
℅ Stephan Toupan
President
Dawa Medical LLC
7320 NW 12th Street Suite 103
Miami, Florida 33126

Re: K222720
Trade/Device Name: Blue Nitrile Powder Free Patient Examination Glove, Non Sterile
Regulation Number: 21 CFR 880.6250
Regulation Name: Non-Powdered Patient Examination Glove
Regulatory Class: Class I, reserved
Product Code: LZA
Dated: September 5, 2022
Received: September 8, 2022

Dear Stephan Toupan:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. Although this letter refers to your product as a device, please be aware that some cleared products may instead be combination products. The 510(k) Premarket Notification Database located at https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm identifies combination product submissions. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803) for devices or postmarketing safety reporting (21 CFR 4, Subpart B) for combination products (see https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820) for devices or current good manufacturing practices (21 CFR 4, Subpart A) for combination products; and, if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to https://www.fda.gov/medical-devices/medical-device-safety/medical-device-reporting-mdr-how-report-medical-device-problems.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance) and CDRH Learn (https://www.fda.gov/training-and-continuing-education/cdrh-learn). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

Bifeng Qian -S

Bifeng Qian, M.D., Ph.D.
Assistant Director
DHT4B: Division of Infection Control
and Plastic Surgery Devices
OHT4: Office of Surgical
and Infection Control Devices
Office of Product Evaluation and Quality
Center for Devices and Radiological Health

Enclosure

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Food and Drug Administration

Indications for Use

Form Approved: OMB No. 0910-0120
Expiration Date: 06/30/2023
See PRA Statement below.

510(k) Number *(if known)*
K222720

Device Name
BLUE NITRILE POWDER-FREE PATIENT EXAMINATION GLOVE, NON STERILE

Indications for Use *(Describe)*
A nitrile patient examination glove is a disposable device made of nitrile rubber intended for medical purposes that is worn on the examiner's hand or finger to prevent contamination between patient and examiner

Type of Use *(Select one or both, as applicable)*

☐ Prescription Use (Part 21 CFR 801 Subpart D) ☒ Over-The-Counter Use (21 CFR 801 Subpart C)

CONTINUE ON A SEPARATE PAGE IF NEEDED.

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K222720 510(k) SUMMARY

This summary of 510(k) information is submitted in accordance with the requirements of 21 CFR 870.92.

1.0 Submitter:

Name	:	Alvin Ho
Address	:	Safeskin Retailing (HK) Limited 26th Floor, Beautiful Group Tower, 77 Connaught Road Central, Hong Kong
Phone No.	:	+6012 826 5625
Date of Summary Prepared	:	18 Nov 2022

2.0 Identification of the subject device:

Trade Name:	:	Blue Nitrile Powder-Free Patient Examination Glove, Non-Sterile
Common Name:	:	Patient Examination Gloves
Classification Name :	:	Patient Examination Gloves
Device Classification	:	1
Regulation Number :	:	21 CFR 880.6250
Product Code	:	LZA

3.0 Predicate Device:

K192333
Trade name: Blue Nitrile Examination Gloves Powder Free
Company: JR Engineering and Medical Technologies (M) Sdn Bhd

4.0 Description of The Subject Device:

Blue Nitrile Powder-Free Patient Examination Glove, Non-Sterile is manufactured from nitrile rubber. Innersurface of gloves undergoes surface treatment process to produce a smooth surface that assists the user in donning the gloves with ease without using any lubricant such as powder or silicone on the glove surface. The glove is ambidextrous, i.e., can be worn on right or left hand.

5.0 Indication for use:

A Nitrile patient examination glove is a disposable device intended for medical purposes that is worn on the examiner's hand or finger to prevent contamination between patient and examiner.

6.0 Comparison of the Technological Characteristics with the predicate Device:

The Blue Nitrile Powder-Free Patient Examination Gloves, Non-Sterile are summarized with the following technological characteristics compared to ASTM D6319or equivalent standards as shown in Table

Table 1

CHARACTERISTICS	STANDARDS	DEVICE PERFORMANCE		COMPARISON ANALYSIS
		PREDICATE	CURRENT	
		BLUE	BLUE	
510(k) Number	-	K192333	K222720	
Manufacturer(s)	-	JR Engineering & Medical Technologies (M) Sdn Bhd.	Safeskin Retailing (HK) Limited	
Material	ASTM D6319	Nitrile	Nitrile	Same
Color	-	Blue	Blue	Same
Sterility	-	Non-Sterile	Non-Sterile	Same
Handedness	-	Ambidextrous	Ambidextrous	Same
Product Code	-	LZA	LZA	Same
Physical Properties Before Aging Tensile Strength: Ultimate Elongation: After Aging Tensile Strength: Ultimate Elongation:	ASTM D6319	 25.6Mpa 868% 22.0Mpa 828%	 28.0 – 32.8 Mpa 530 – 590 % 30.9 – 35.1 Mpa 460 - 540%	 Different but within the ASTM standard Different but within the ASTMstandard
Thickness: - Finger Palm	ASTM D6319	0.22mm0.20mm	Min 0.10mm for (XS, S, M, L, XL) Min 0.06mm for (XS, S, M, L, XL)	Different but within the ASTM standard
- Powder Free	ASTM D6124	0.21mg/glove	Below 2mg of residual powder	Different but within the ASTM standard

CHARACTERISTICS	STANDARDS	DEVICE PERFORMANCE		COMPARISON ANALYSIS
		PREDICATE	CURRENT	
		BLUE	BLUE	
Biocompatibility	Primary Skin Irritation – ISO 10993-10:2010 (E) & Consumer Product Safety Commission Title 16. Chapter II, Part 1500	Under the condition of study not an irritant	Under conditions of this study, the test material did not cause an irritant response. The Primary Irritant Response Category is deemed 'Negligible'	Same
	Dermal Sensitization- ISO 10993-10: 2010 (E) & Consumer Product Safety Commission, Title 16,Chapter II, Part 1500.3 (c) (4)	Under the condition of the study not a sensitizer	Under conditions of this study,the test material did not produce a skin sensitization effect in the guinea pigs.	Same
	Acute Systemic Toxicity, ISO 10993-11:2017 (E)	Under the conditions of study, the device extracts do not pose a systemic toxicity concern	Under conditions of this study,the test item did not induce any systemic toxicity in Swiss albino mice.	Same

CHARACTERISTICS	STANDARDS	DEVICE PERFORMANCE		COMPARISON ANALYSIS
		PREDICATE	CURRENT	
		BLUE	BLUE	
Watertight (1000ml)	ASTM D5151:2019	Gloves passes AQL 1.5	Meets • 21 CFR 800.20 • ASTM D6319-10 (Reapproved 2015) Tested in accordance with ASTM D5151 (Reapproved 2015) with acceptable results at an AQL 1.5	Different but within the ASTM standard.
Intended use	-	JR MEDIC BLUE Nitrile Examination Gloves Powder Free is disposable devices intended for medical purpose that are worn on the examiners hand to prevent contamination between patient and examiner	A Nitrile patient examination glove is a disposable device made of nitrile rubber intended for medical purposes that is worn on the examiner's hand or finger to prevent contamination between patient and examiner.	Same
Size	Medical Glove Guidance Manual –Labeling	Extra Small Small Medium Large Extra Large	Extra Small Small Medium Large Extra Large	Same
Single use	Medical Glove Guidance Manual –Labeling	Single Use	Single Use	Same

7.0 Summary of Non-Clinical Testing

The performance test data of the non-clinical test for this powder free nitrile examination glove is summarized as per below:

Test Method	Standard	Purpose of Testing	Acceptance Criteria			Results		Status
			[redacted]	Before aging	After aging	Before aging	After aging	
Physical Properties	ASTM D412 (Standard Test Method for Vulcanized Rubber and Thermoplastic Elastomers-Tension)	To evaluate the tensile (tension) properties of glove.	Tensile strength	Min 14.0 MPa	Min 14.0 MPa	XS – 28.1 S – 28.4 M – 29.2 L – 28.0 XL – 28.9	XS – 31.2 S – 30.9 M – 32.3 L – 31.0 XL – 31.3	Pass
			Ultimate elongation	Min 500%	Min 400%	XS – 540 S – 530 M – 550 L – 540 XL – 540	XS – 460 S – 460 M – 470 L – 490 XL – 480	Pass

Test Method	Standard	Purpose of Testing	Glove Size	Acceptance Criteria		Results		Status
Dimension	ASTM D3767 Standard Practice for Rubber—Measurementof Dimensions	To measure the length, width and thickness ofglove	X-Small	Length	Min 240 mm	Length	244 mm	Pass
				Width	70 ± 10 mm	Width	74.0 mm	Pass
				Thickness	Finger – min 0.05mm Palm – min 0.05mm	Thickness	0.10 mm 0.06 mm	Pass
			Small	Length	Min 240 mm	Length	242 mm	Pass
				Width	80 ± 10 mm	Width	85.0 mm	Pass
				Thickness	Finger – min 0.05mm Palm – min 0.05mm	Thickness	0.10 mm 0.06 mm	Pass
			Medium	Length	Min 240 mm	Length	242 mm	Pass
				Width	95 ± 10 mm	Width	95.0 mm	Pass
				Thickness	Finger – min 0.05mm Palm – min 0.05mm	Thickness	0.10 mm 0.06 mm	Pass
			Large	Length	Min 240 mm	Length	243 mm	Pass
				Width	110 ± 10 mm	Width	106 mm	Pass

				Thickness	Finger – min 0.05mm Palm – min 0.05mm	Thickness	0.10 mm 0.06 mm	Pass
			X-Large	Length	Min 240 mm	Length	244 mm	Pass
				Width	120 ± 10 mm	Width	115 mm	Pass
				Thickness	Finger – min 0.05mm Palm – min 0.05mm	Thickness	0.10 mm 0.06 mm	Pass

Test Method	Standard	Purpose of Testing	Acceptance Criteria	Results	Status
Watertight	ASTM D5151 (Standard Test Method for Detection of Holesin Medical Gloves)	To detect holes that leak water and thereby compromise the usefulness of the glove.	Sample size: 315 pcs Inspection level: G1 AQL: 1.5, Acceptance No. 10	The batch size for this sampling is 150,001 to500,000. Hence, according to the singlesampling plan GI, the sample to be drawn isunder code M equivalent to 315 pieces with accept 10 and reject 11 to be accepted under AQL 1.5. For Size XS, during the test, 4piece was found with leaks. Hence it falls within the acceptance criteria. For Size S, during the test, 2piece was found with leaks. Hence it falls within the acceptance criteria. For Size M, during the test, 3piece was found with leaks. Hence it falls within the acceptance criteria. For Size L, during the test, 1piece was found with leaks. Hence it falls within the acceptance criteria. For Size XL, during the test, 2piece was found with leaks. Hence it falls within the acceptance criteria.	Pass

Test Method	Standard	Purpose of Testing	Acceptance Criteria	Results	Status
Residual Powder	ASTM D6124 (Standard Test Method for Residual Powder on Medical Gloves)	To determine the amount of residual and non-powder solids found on gloves	Less than 2 mg per glove Requirement : <2mg/glove	Sample size : 5 pcs Result XS : 0.30mg/glove Result S : 0.26mg/glove Result M : 0.34mg/glove Result L : 0.38mg/glove Result XL : 0.40mg/glove	Pass

8.0 Non-clinical performance testing methods full titles:

Non-Clinical Testing was conducted to demonstrate that the proposed device met all required design specifications. The test results demonstrated that the proposed device met the performance criteria as specified utilizing the following test methods, standards, and specifications:

- ASTM D6319-10 Standard D6319-10 Standard Specification for Nitrile Examination Gloves for Medical Application
- ASTM D412-2006a (Reapproved 2013) Standard Test Method for Vulcanized Rubber and Thermoplastic Elastomers-Tension
- ASTM D573-2004 (Reapproved 2010) Standard Test Method for Rubber-Deterioration in an Air Oven
- ASTM D3767-03 Standard Practice for Rubber Measurement of Dimensions
- ASTM D5151-2006 (Reapproved 2015) Standard Test Method for Detection of holes in Medical Gloves
- ASTM D6124-2006 (Reapproved 2015) Standard Tested Method for Residual Powder on Medical Gloves
- ISO 2859 Sampling Procedures and Tables for Inspection by Attributes
- ISO 10993-10 Biological Evaluation of medical Devices-Part 10: Tests for Irritation and Sensitization
- ISO 10993-11 Biological Evaluation of Medical Devices-Part 11: Tests for Systemic Toxicity

9.0 Summary of Clinical Testing:

No clinical studies were conducted for either the subject or predict glove.

10.0 Differences:

There are no significant differences between the current glove and the predicate. They are identical in terms of their intended use, base materials, design, color, and manufacturing process.

Conclusion

The conclusion drawn from the non-clinical tests demonstrate that the subject device, “Blue Nitrile Powder-Free Patient Examination Glove, Non-Sterile,” is as safe, as effective, and performs as well as, or better than, the legally marketed predicate device K192333.