

October 19, 2022

Ever Global (Vietnam) Enterprise Corporation % Elizabeth Deng
US Agent
Elizabeth Deng
5748 Eaglewood Place
Ranch Cucamonga, California 91739

Re: K220992

Trade/Device Name: Disposable Powder Free Vinyl Exam Glove, Black/Blue/Purple

Regulation Number: 21 CFR 880.6250

Regulation Name: Non-Powdered Patient Examination Glove

Regulatory Class: Class I, reserved

Product Code: LYZ

Dated: September 15, 2022 Received: September 19, 2022

#### Dear Elizabeth Deng:

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 <a href="https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm">https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm</a> 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 <u>Federal Register</u>.

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 <a href="https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products">https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products</a>); 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 <a href="https://www.fda.gov/medical-devices/medical-device-safety/medical-device-reporting-mdr-how-report-medical-device-problems">https://www.fda.gov/medical-device-problems</a>.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (<a href="https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance">https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance</a>) and CDRH Learn (<a href="https://www.fda.gov/training-and-continuing-education/cdrh-learn">https://www.fda.gov/training-and-continuing-education/cdrh-learn</a>). 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 (<a href="https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice">https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice">https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice</a>) 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, 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**

510(k) Number (if known)

Form Approved: OMB No. 0910-0120

Expiration Date: 06/30/2023 See PRA Statement below.

K220992				
Device Name				
Disposable Powder Free Vinyl Exam Glove, Black/Blue/Purple				
Indications for Use (Describe)				
A non-powdered 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.				
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 D	AGE IE NEEDED			

This section applies only to requirements of the Paperwork Reduction Act of 1995.

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# **510(k) SUMMARY**

The assigned 510(k) Number: K220992

This 510(k) Summary of 510(k) safety and effectiveness information is being submitted in accordance with requirements of SMDA 1990 and 21 CFR 807.92.

**0.0 Summary Preparation Date:** Oct 18th, 2022

1.0 Submitter:

Submitter's name : Ever Global (Vietnam) Enterprise Corporation

Submitter's address: Long Thanh Industrial Zone

Taman Village Dong Nai Province, VN 810000

Phone number: 84-61-3514022 Fax number: 84-61-3514023

Name of contact person: Jerry Lin

2.0 US Agent:

US Representative Name: Elizabeth Deng

Company Address: 5748 Eaglewood Place

Rancho Cucamonga, California Rancho Cucamonga, CA 91739

Telephone Number: 909 4659188

Contact Email Address: baxianunited48@yahoo.com

3.0 Name of the Device

Proprietary/Trade name: Disposable Powder Free Vinyl Exam Glove,

Black/Blue/Purple

Common Name: Vinyl Examination Gloves

Classification Name: Non-powdered Patient Examination Glove

Device Classification: Class I

Regulation Number: 21 CFR 880.6250

Product Code: LYZ

4.0 Predicate device

Device Name: Disposable Powder Free Vinyl Examination Glove,

Clear/Yellow

Company name: Ever Global (Vietnam) Enterprise Corporation

510(K) Number: K170575



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## **5.0 Device Description:**

A Disposable Powder Free Vinyl Exam Glove (with color Black, Blue, or Purple) is a patient examination glove made from poly (vinyl chloride), non-sterile (as per 21 CFR 880.6250, Class I). This device is available in size S, M, L, and XL. The operation principle of this medical device is to provide single use barrier protection for the wearer and the device meets all the requirement specifications for barrier protection, tensile properties as defined in ASTM D5250-19, Standard Specification for Poly (vinyl chloride) Gloves for Medical Application.

#### **6.0 Device Indications for use:**

A non-powdered 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.

## 7.0 Comparison of device technological characteristics:

Device	Predicate Device	Subject Device	Comparison
Characteristic Product Name	Disposable Powder Free Vinyl Examination Glove, Clear/Yellow	Disposable Powder Free Vinyl Exam Glove, Black/Blue/Purple	Same except color
510(K) No.	K170525	n/a	
Product Owner	Ever Global (Vietnam) Enterprise Corporation	Ever Global (Vietnam) Enterprise Corporation	same
Product Code	LYZ	LYZ	same
Regulation	21 CFR 880.6250	21 CFR 880.6250	same
Class	I	I	same
Indications for Use	A 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.	A non-powdered 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.	same
Power free	Yes	Yes	same
Size	Small/ Medium/Large/X Large	Small/Medium/Large/X Large	same
Over-The- Counter Use	Yes (21 CFR 801 Subpart C)	Yes (21 CFR 801 Subpart C)	same
Single Use	YES	YES	same
Non-Sterile	YES	YES	same
Dimensions- Length	Complies with ASTM D5250-06 230 mm min.	Complies with ASTM D5250-19 230 mm min.	same



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Device Characteristic	Predicate Device	Subject Device	Comparison
Dimensions - Palm Width	Complies with ASTM D5250- 06 Small $85 \pm 5$ Medium $95 \pm 5$ Large $105 \pm 5$ X large $115 \pm 5$	Complies with ASTM D5250-19 Small $85 \pm 5$ Medium $95 \pm 5$ Large $105 \pm 5$ X large $115 \pm 5$	same
Dimensions - Thickness	Complies with ASTM D5250-06 Palm - 0.08mm min. Finger - 0.1 mm min.	Complies with ASTM D5250-19 Palm - 0.08 mm min. Finger - 0.08 mm min.	same, both are thicker than standard request
Physical Properties	Tensile Strength Before Aging: 11 MPa, min. After Aging: 11 MPa, min.	Tensile Strength Before Aging: 11 MPa, min. After Aging: 11 MPa, min.	same
	Elongation: Before Aging: 300% min. After Aging: 300% min.	Elongation: Before Aging: 300% min. After Aging: 300% min.	same
Residual powder	Complies with D5250-06 < 2mg per glove	Complies with ASTM D5250- 19 < 2mg per glove	same
Freedom from Holes	In accordance with ASTM D5250-06 (G-1 with AQL 2.5)	In accordance with ASTM D5250 -19 (G-1 with AQL 2.5)	same
Biocompatibili ty	ISO 10993-10: -Skin Sensitization: Pass - Irritation test: Pass	ISO 10993-10 (Blue & Purple Gloves) & ISO 10993-23 (Black Glove): -Skin Irritation test: Pass  ISO 10993-10 -Skin Sensitization Test: Pass  ISO 10993-5 -In vitro cytotoxicity test: Pass	similar. Subject device pass cytotoxicity test



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## **8.0 Assessment of Non-Clinical Performance Data:**

Test	Test Method	Purpose	Acceptance Criteria	Results
Dimension	ASTM D3767	Determine the geometrical dimension of gloves	Length: 230 mm min. Thickness: Palm - 0.08 mm min. Finger - 0.08 mm min. Palm Width: Small 85 ± 5 mm Medium 95± 5 mm Large 105 ± 5 mm X Large 115 ± 5 mm	Pass
Freedom from holes (Water leak)	21 CFR 800.20. & ASTM D5151-19	Detect the holes on the gloves.	G-I/AQL 2.5	Pass
Tensile strength (Before aging/After aging)	ASTM D412-16 & ASTM D573- 04	Evaluate the tensile (tenson) properties of the gloves. In addition, it also determines the influence of elevated	Before Aging: 11 MPa, min. After Aging: 11 MPa, min	Pass
Elongation (Before aging/After aging)	ASTM D412-16 & ASTM D573- 04	temperature on the physical properties of gloves.	Before Aging: 300% min. After Aging: 300% min.	Pass
Powder Residual	ASTM D6124-06	Determine the average powder mass found on the gloves	< 2mg per glove	Pass
Biocompatibility- Skin Irritation	ISO 10993- 10:2010 (Blue & Purple Gloves) & ISO 10993-23: 2021 (Black Glove)	determine the potential of glove to promote skin sensitization & irritation reactions after repeated applications	Negative Response	Pass
Biocompatibility- Skin Sensitization	ISO 10993- 10:2010		No contact sensitization	Pass
Biocompatibility- cytotoxicity	ISO 10993- 5:2009	determine the cytotoxicity potential of glove	No in vitro cytotoxicity	Pass



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### 9.0 Assessment of Clinical Performance Data:

Clinical data is not needed for this type of device.

## 10.0 Conclusion:

The conclusion drawn from the nonclinical tests demonstrate that the subject device Disposable Powder Free Vinyl Exam Glove, Black/Blue/Purple is as safe, as effective, and performs as well as or better than the legally marketed device.