

#### February 6, 2023

Ever Global (Vietnam) Enterprise Corporation Elizabeth Deng US Agent 5748 Eaglewood Place Rancho Cuamonga, California 91739

Re: K221980

Trade/Device Name: Disposable Powder Free Vinyl Examination Gloves, Beige/Clear

Regulation Number: 21 CFR 880.6250

Regulation Name: Non-Powdered Patient Examination Glove

Regulatory Class: Class I, reserved

Product Code: LYZ Dated: January 18, 2023 Received: January 20, 2023

#### 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/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</a>) for more information or contact DICE by email (<a href="DICE@fda.hhs.gov">DICE@fda.hhs.gov</a>) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

# Bifeng Qian -S

Bifeng Qian, M.D., Ph.D.
Assistant Director
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and Plastic Surgery Devices
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Office of Product Evaluation and Quality
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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

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

510(k) Number (if known)			
K221980			
Device Name Disposable Powder Free Vinyl Examination Gloves, Beige/Clear			
ndications 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)		

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

**CONTINUE ON A SEPARATE PAGE IF NEEDED.** 

#### \*DO NOT SEND YOUR COMPLETED FORM TO THE PRA STAFF EMAIL ADDRESS BELOW.\*

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FORM FDA 3881 (6/20) Page 1 of 1 PSC Publishing Services (301) 443-6740 E



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#### 510(k) SUMMARY (K221980)

**0.0 Summary Preparation Date:** Jan 31, 2023

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 Examination Gloves,

Beige/Clear

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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### 510(k) SUMMARY (K221980)

#### 5.0 Device Description:

A Disposable Powder Free Vinyl Examination Gloves (with color Beige or Clear) is a patient examination glove made from poly (vinyl chloride), non-sterile (as per 21 CFR 880.6250, Class I). 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 Characteristic	Predicate Device	Subject Device	Comparison
Product Name	Disposable Powder Free Vinyl Examination Glove, Clear/Yellow  Disposable Powder Free Vinyl Examination Gloves, Beige/Clear		similar glove
510(K) No.	K170525	K221980	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	Ι	Ι	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-Cou nter Use	Yes (21 CFR 801 Subpart C)	Yes (21 CFR 801 Subpart C)	same
Single Use	YES	YES	same
Non-Sterile	YES	YES	same



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### 510(k) SUMMARY (K221980)

Device Characteristic	Predicate Device	Subject Device	Comparison
Dimensions- Length	Complies with ASTM D5250-06 230 mm min.	Complies with ASTM D5250-19 230 mm min.	same
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 $85 \pm 5$ 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
Biocompatibility	ISO 10993-10 Skin Sensitization and Skin Irritation test: Pass ISO 10993-5: not applicable	ISO 10993-10 Skin Sensitization and Skin Irritation test: Pass	similar. Subject device pass cytotoxicity test.
		In vitro cytotoxicity test: Pass	

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

The following bench testing was conducted for design elements and performance characteristics deemed appropriate to demonstrate equivalence to the predicate device. Disposable Powder Free Vinyl Examination Gloves, Beige/Clear Color made by Ever Global (Vietnam) Enterprise Corporation met the predetermined acceptance criteria ensuring substantial equivalence to the predicate device. No new safety or performance issues were raised during testing:



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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	determine the potential of glove to promote skin sensitization &	Negative Response	Pass
Biocompatibility- Skin Sensitization	ISO 10993-10:2010	irritation reactions after repeated applications	No contact sensitization	Pass
Biocompatibility- cytotoxicity	ISO 10993-5:2009	determine the cytotoxicity potential of glove	No in vitro cytotoxicity	Pass

#### 9.0 Assessment of Clinical Performance Data:

Clinical data is not needed for this type of device.

#### 10.0 Conclusion:

The conclusions drawn from the nonclinical tests demonstrate that the subject device Disposable Powder Free Vinyl Examination Gloves, Beige/Clear is as safe, as effective, and performs as well as or better than the legally marketed device.