

MAY 23 2000

長榮醫療用品有限公司

**EVERGREEN MEDICAL PRODUCTS CO., LTD.**

No. 1, Evergreen Rd., The North of Beishimen Village, Xiaozuo Town,  
Jingxing County, Shijiazhuang City, Hebei 050306, China

Tel: + (86 311) 236 1018, 236 1035 Fax: + (86 311) 236 0670

K 994098  
**510 (K) SUMMARY**

Date: May 03, 2000

Total pages: 4

**1.0 APPLICANT:**

Evergreen Medical Products (Jingxing) Co., Ltd.  
No. 1, Evergreen Rd., The North of Beishimen Village,  
Xiaozuo Town, Jingxing County,  
Shijiazhuang City, Hebei 050306  
China  
Tel: +(86 311) 236 1035, 236 0652  
Fax: +(86 311) 236 0670  
E-mail: [chenjul@ms13.hinet.net](mailto:chenjul@ms13.hinet.net)

**2.0 Contact Person:**

Doreen Feng  
Tel: +(86 311) 236 1035, 236 0652  
Fax: +(86 311) 236 0670

**3.0 DEVICE CLASS: II**

**PRODUCT CODE:** Vinyl (Powder Free) – 80 LYZ

**4.0 SPECIFICATION:** Glove, Patient Examination, Vinyl (Powder Free)

Meet all the current specifications listed under ASTM Specification D 5250-99

**5.0 DEVICE DESCRIPTION:**

Glove, Disposable, Non-sterile, Patient Examination, Vinyl (Powder Free)

**6.0 INDICATION FOR USE (INTENDED USE):**

A medical gloves is worn on the hand of health care and similar personnel to prevent contamination between health care personnel and the patient's body, fluids, waste, or environment.

**7.0 INNER SURFACE:** Powder Free

**8.0 BIOCOMPATIBILITY TESTING:**

- Primary Dermal Irritation in Rabbits
  - Guinea Pig Sensitization (Buehler)
- Issued by Consumer Products Testing Co.

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### 9.0 QUALITY CHARACTERISTICS

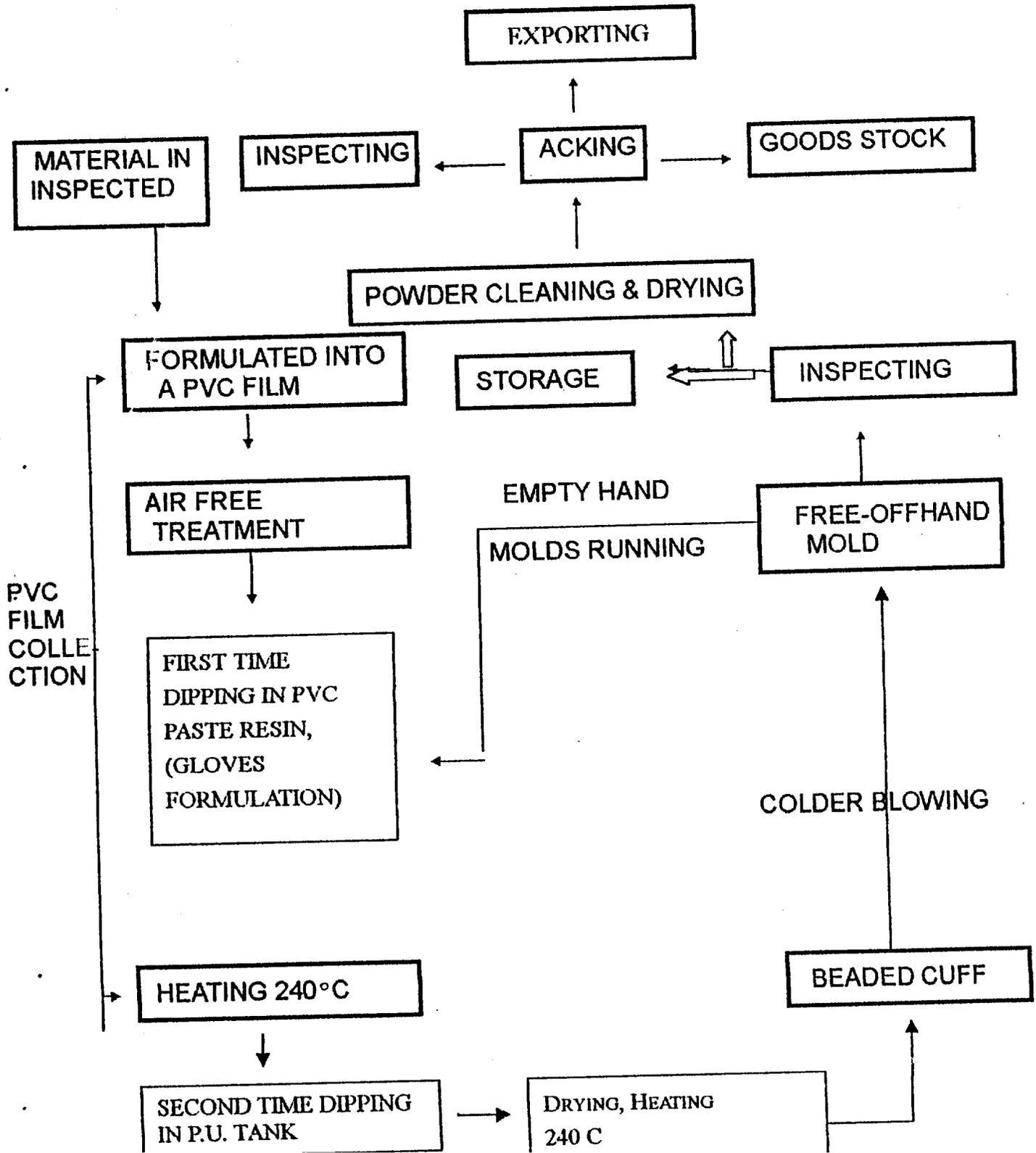
510 (K) Summary: Page 2

#### SPECIFICATION OF VINYL GLOVES (Ambidextrous)

Spec. \ Size	Small	Medium	Large	Ex-Large	Test code
Circumference of Palm (mm) (Inch)	178 6-3/4	210 7-3/4	218 8-1/2	230 9	JIS-S-2045.509
Total Length (+/- 5 mm)	240	245	245	245	JIS-S-2045.5.9
Length of Fingers (mm) Thumbs Index Finger Middle Finger Ring Finger Little Finger	55 66 74 69 54	57 70 81 74 50	61 75 83 79 60	63 78 92 82 62	JIS-S-2045.5.9
Circumference Fingers (mm) Thumb Index Finger Middle Finger Ring Finger Little Finger	63 56 59 56 50	71 64 66 63 57	78 70 72 69 62	83 74 76 73 66	JIS-S-2045.5.9
Tensile Strength (Mpa)	Min. 10.0	Min. 10.0	Min. 10.0	Min. 10.0	JIS-S-2045.5.2
Elongation (Min.)	350%	350%	350%	350%	JIS-S-2045.5.2
Weight (g/pc)	7.0	8.0	9.0	9.5	+/- 0.2g
Thickness	Finger Tip 0.08 mm +/- 0.02 mm Cuff 0.09 mm +/- 0.02 mm Palm 0.15 mm +/- 0.02 mm				
Quality Assurance	Under 2.5% Pinhole Rate			FDA Glove 1000ml Water Leak Test	

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10.0 MANUFACTURING PROCESS OF POWDER FREE VINYL GLOVES:



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**Note:**

A second time dipping process is adopted to compensate for the lack of donning powder. (Second time dipping process: After the glove is formed on the mold, the second stage of process is exercised by dipping the glove into a Poly Urethane Resin Emersion. Poly Urethane resin emersion is in the category of polymer which contains silicon. The characteristic of Poly Urethane enable to coat a membrane on the gloves which makes the surface of the gloves more lubricant and hence more easy to be worn and to be took off.

Weight of all types of residual powder on medium size glove is 0 milligram per glove. The gloves are powder free and the process does not include any powder.

**11.0 CONCLUSION:**

The vinyl Patient Examination gloves (powder free) manufactured by Evergreen Medical products (Jingxing) Co., Ltd. meet ASTM D5250-99 performance standard and meet pinhole requirements and labeling claims.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

MAY 23 2000

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Ms. Doreen Feng  
Evergreen Medial Products (Jingxing) Co. Ltd.  
#1, Evergreen Road, The North of Beishimen Village,  
Xiazuo Town, Jingxing County,  
Shijiazhuang City, Hebei 050306  
CHINA

Re: K994098  
Trade Name: Vinyl Patient Examination Gloves  
Powder-Free  
Regulatory Class: I  
Product Code: LYZ  
Dated: January 21, 2000  
Received: May 8, 2000

Dear Ms. Feng:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to 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). You may, therefore, market the device, subject to the general controls provisions of the Act. 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.

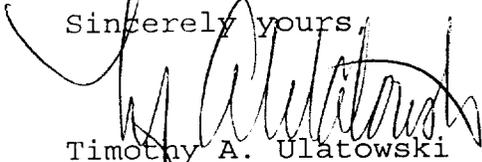
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Good Manufacturing Practice for Medical Devices: General (GMP) regulation (21 CFR Part 820) and that, through periodic GMP inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

Page 2 - Ms. Feng

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4692. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

Sincerely yours,



Timothy A. Ulatowski  
Director  
Division of Dental, Infection Control,  
and General Hospital Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

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### INDICATION FOR USE STATEMENT

Applicant: Evergreen Medical Products (Jingxing) Co., Ltd.

510(K) Number: K994098

Device Name: Vinyl Patient Examination Gloves – Powder Free

#### Indication for use:

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

Concurrence of CDRH Office of Device Evaluation (ODE)

JB for Chen

(Division Sign-Off)

Division of Dental, Infection Control,  
and General Hospital Devices

510(k) Number K994098

Prescription Use \_\_\_\_\_

OR

Over-The-Counter X

Per 21 CFR 801.109