

AUG 18 1999

CANTOR & SILVER LIMITED
510(k) Premarket Notification

510 (k) SUMMARY OF SAFETY AND EFFECTIVENESS

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

The assigned 510(k) number is: K992500

Applicant information:

Date Prepared: July 23, 1999

Name: Cantor & Silver Limited
Address: Manor Road, Brackley
Northamptonshire
England NN13 6ED

Contact Person: Mr. David Cantor
Managing Director/President

Phone Number: 011 44 1280 702002
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USA Consultant: Martin Dalsing,
Med-Vice Consulting, Inc.
Consultant for Cantor & Silver, Inc.
623 Glacier Drive
Grand Junction, CO 81503
(970) 243-5490
Fax #: (970) 243-5501
E-mail: mdalsing@gj.net

Device Information:

Device Classification: Class II

Classification Number: LPL

Trade Name: **Cantor and Silver 5X Prosthetic Tinted
(hioxifilcon A) Soft Daily Wear Contact Lens**

Classification Name: Lens, Soft Contact, Daily Wear

Substantially Equivalent Devices:

The “CANTOR & SILVER 5X PROSTHETIC” Tinted Soft Contact Lens is substantially equivalent to the “Alden Classic Prosthetic Tinted Soft Contact Lens” and the Cantor & Silver “CANTOR & SILVER 5X Tinted”, the predicate devices.

Device Descriptive Characteristics:

The CANTOR & SILVER 5X PROSTHETIC Tinted Soft Contact Lens are tinted with FDA “listed” color additives. The color additives are used in amounts not to exceed the minimum reasonably required to accomplish the intended coloring effect. As part of the manufacturing process, the lens containing the color additives are thoroughly washed to remove unbound reactive color additives. The manufacturing process alters and/or changes the specifications to the clear version of a contact lens by affixing a listed reactive color additive on that portion of the anterior (front) surface of the lens that corresponds to the iris. The CANTOR & SILVER 5X PROSTHETIC Tinted Soft Contact Lens are tinted to the eyecare professional instructions.

The prosthetic color additive effect is formed by reacting one or more of the reactive color additives listed in this paragraph with (poly hydroxyethyl methacrylate). The reactive color additives that may be used either alone or in combination are: reactive black 5, reactive blue 21, reactive blue 19, reactive blue 4, reactive blue 163, reactive red 11, reactive red 180, reactive yellow 15, reactive yellow 86, or reactive orange 78. The color additives used are not removed by lens handling or approved cleaning/disinfecting procedures. The prosthetic lens tinting process does not alter the optical and/or performance characteristics of the finished tinted soft contact lens.

Tint Patterns Available:

1. **Clear lens with Black Pupil.** Pupil sizes available in 2.0 mm to 12.5 mm.
2. **Black Occluder Lens.** A Central Black area that occludes light. Available to full lens diameter in 0.5 mm increments.
3. **Black Annular with clear pupil.** Black Annular diameter range 7.5 mm to full lens diameter in 0.5 mm increments. Clear Pupil diameter range 2.0 mm to 7.5 mm in 0.5 mm increments.
4. **Tinted lens with Black Pupil.** Uses the CANTOR & SILVER 5X PROSTHETIC Tinted Soft Contact Lens with black pupil. Pupil sizes available in 2.0 mm to 12.5 mm diameter.

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INDICATIONS FOR USE:

The CANTOR & SILVER 5X PROSTHETIC Tinted Soft Contact Lens are indicated for daily wear to enhance or alter the apparent eye color, including ocular masking, either in sighted or non-sighted eyes that require a prosthetic contact lens for cosmetic management of conditions such as corneal, iris or lens abnormalities. The lens may also be prescribed for the correction of refractive ametropia (myopia, hyperopia and astigmatism) in aphakic and not aphakic persons or for occlusive therapy for conditions such as diplopia, amblyopia or extreme photophobia. The lens are disinfected using a hydrogen peroxide lens care system only and are available in a frequent replacement program.

The following table summarizes Cantor & Silver Limited claim of substantial equivalency in terms of safety and efficacy to the predicate devices previously mentioned.

	Characteristic	CANTOR & SILVER 5X PROSTHETIC (Cantor & Silver)	ALDEN CLASSIC PROSTHETIC (Predicate Device)
1.)	INTENDED USE	Cosmetic Management of conditions such as corneal, iris, or lens abnormalities	Cosmetic Management of conditions such as corneal, iris, or lens abnormalities.
2.)	INDICATION	The CANTOR & SILVER 5X PROSTHETIC Tinted Soft Contact Lens are indicated for daily wear to enhance or alter the apparent eye color, including ocular masking, either in sighted or non-sighted eyes that require a prosthetic contact lens for cosmetic management of conditions such as corneal, iris or lens abnormalities. The lens may also be prescribed for the correction of refractive ametropia (myopia, hyperopia and astigmatism) in aphakic and not aphakic persons or for occlusive therapy for conditions such as diplopia, amblyopia or extreme photophobia. The lens are disinfected using a hydrogen peroxide lens care system only and are available in a frequent replacement program.	The ALDEN CLASSIC PROSTHETIC (polymacon) Tinted, Soft Contact Lens is indicated for daily wear to enhance or alter the apparent eye color, including ocular masking, either in sighted or non-sighted eyes that require a prosthetic contact lenses for cosmetic management of conditions such as corneal, iris or lens abnormalities. The lens may also be prescribed for the correction of refractive ametropia (myopia, hyperopia and astigmatism) in aphakic and not aphakic persons or for occlusive therapy for conditions such as diplopia, amblyopia or extreme photophobia. The lens may be disinfected with either a chemical or a heat disinfection system.
3.)	FDA "listed" colored additives	The reactive colored additives consist of reactive black 5, reactive blue 4, reactive blue 19, reactive 21, reactive blue 163, reactive yellow 15, reactive yellow 86, reactive orange 78, reactive red 11 and reactive red 180.	Vat Green 1, Vat Brown 1, Vat Blue 6,
4.)	Uses and restrictions	The color additives listed above may be used to color contact lenses in amounts not to exceed the minimum reasonably required to accomplish the intended prosthetic effect.	The color additives listed above may be used to color contact lenses in amounts not to exceed the minimum reasonably required to accomplish the intended prosthetic effect.
5.)	Color Additive Characteristics	The color additives used are not removed by lens handling and approved cleaning/disinfecting procedures. The optical and performance characteristics are not altered by the lens coloring process.	The color additives used are not removed by lens handling and approved cleaning/disinfecting procedures. The optical and performance characteristics are not altered by the lens coloring process.

Table #1 – Substantial Equivalence



Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

AUG 18 1999

Cantor Silver Limited
c/o Mr. Martin Dalsing
MED-VICE CONSULTING, INC.
623 Glacier Drive
Grand Junction, CO 81503

Re: K992500

Trade Name: CANTOR & SILVER 5X Prosthetic Tinted (hioxifilcon A) Soft Daily Wear
Contact Lens

Regulatory Class: II

Product Code: 86 LPL

Dated: July 23, 1999

Received: July 26, 1999

Dear Mr. Dalsing:

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 current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic (QS) 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 - Mr. Martin Dalsing

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) 594-4613. 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,



A. Ralph Rosenthal, M.D.

Director

Division of Ophthalmic Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

INDICATIONS FOR USE STATEMENT

Device Name: **CANTOR & SILVER 5X PROSTHETIC
Tinted Soft Contact lens**

INDICATIONS FOR USE:

The CANTOR & SILVER 5X PROSTHETIC Tinted Soft Contact Lens are indicated for daily wear to enhance or alter the apparent eye color, including ocular masking, either in sighted or non-sighted eyes that require a prosthetic contact lens for cosmetic management of conditions such as corneal, iris or lens abnormalities. The lens may also be prescribed for the correction of refractive ametropia (myopia, hyperopia and astigmatism) in aphakic and not aphakic persons or for occlusive therapy for conditions such as diplopia, amblyopia or extreme photophobia. The lens are disinfected using a hydrogen peroxide lens care system only and are available in a frequent replacement program.

(PLEASE DO NOT WRITE BELOW THIS LINE – CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

Daniel W. C. Brown, Ph.D.
(Division Sign-Off)
Division of Ophthalmic Devices
K992500
510(k) Number _____



Prescription Use X
(Per 21 CFR 801.109)

or

Over-The-Counter Use _____

(Optional Format 1-2-96)