

JUL 23 1997

Summary of Safety and Effectiveness

Device Name: Miracle-Ear Programmable Sharp Dynamic Hearing Aids

Device Type: CIC, ITE and BTE Hearing Aids

Classification: Air Conduction Hearing Aid (77ESD), Class I.

Intended Use: To amplify and transmit sound to the ear.

Substantially
Equivalent to: Dahlberg multi-channel compression aids which were cleared for distribution under 510(k) # K960804.

Registration
Number: 2110592

Materials: The hearing aid shells will be manufactured from materials that are commonly used in the industry.

Technical
Characteristics: Dahlberg utilizes the ANSI S3.22-1987 methodology to test and obtain performance data for hearing aids.

Fit: Mild to severe as dictated by the individual users audiogram.

Power: Various sizes of Zinc-Air hearing aid batteries.



Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

Ms. Melanie Raska
Manager of Regulatory Affairs
Dahlberg, Inc.
4101 Dahlberg Drive
Golden Valley, MN 55422

JUL 23 1997

Re: K972345

Miracle-Ear Programmable Sharp
Dynamic Air Conduction Hearing Aids
Dated: June 23, 1997
Received: June 24, 1997
Regulatory Class: I
21 CFR 874.3300/Procode: 77 ESD

Dear Ms. Raska:

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.

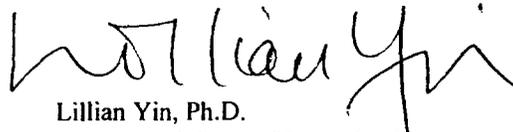
If your device is classified (see above) into either class II (Special Controls) or class III (Pre-market Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirement, 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.

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.

While your device has been deemed substantially equivalent to other legally marketed hearing aids, please be advised that electromagnetic interference from digital cellular telephones, as well as from other sources is increasingly becoming a concern. Typically, this interference takes the form of a buzzing sound that can range from annoying to very loud and may render a hearing aid temporarily ineffective for the wearer. Because electromagnetic interference may affect your device, you may be asked to test for electromagnetic compatibility in the future. In this interim period, we encourage you to modify your device labeling to inform practitioners and users of the potential for electromagnetic interference. Please be aware that a 510(k) submission is required for any claims that infer that your device is compatible with potential sources of electromagnetic interference, such as "compatible with digital cellular telephones", and that data supporting such claims is necessary.

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 handwritten signature in black ink, appearing to read "Lillian Yin". The signature is fluid and cursive, with the first name "Lillian" written in a larger, more prominent script than the last name "Yin".

Lillian Yin, Ph.D.
Director, Division of Reproductive,
Abdominal, Ear, Nose and Throat,
and Radiological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

510(k) Number (if known): K972345

Device Name: **Miracle-Ear Programmable Sharp Dynamic Hearing Aids**

Indications For Use:

A. General Indications:

The indication for use of the air conduction hearing aids in this submission is to amplify sound for individuals with impaired hearing. The devices are indicated for individuals with losses in the following category(ies). (Check appropriate space(s)):

Severity:

Configuration:

Other:

1. Slight

1. High Frequency
Precipitously Sloping

1. Low tolerance
to Loudness

2. Mild

2. Gradually Sloping

2. Compression Limiting

3. Moderate

3. Reverse Slope

3. Loudness Growth
Compensation

4. Severe

4. Flat

5. Profound

5. Other *ski-sloping*

B. Specific Indications (Only if appropriate):

(Most psychoacoustic indications such as improved speech intelligibility in background noise, must be supported by clinical data).

David G. Rogers
(Division Sign-Off)
Division of Reproductive, Abdominal, ENT,
and Radiological Devices
510(k) Number K972345

Restricted Device
Per 874.420 and 421

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