

U.S. NUCLEAR REGULATORY COMMISSION  
**CERTIFICATE OF COMPLIANCE**  
For Radioactive Materials Packages

Certificate Number	1.(b) Revision No.	1.(c) Package Identification No.	1.(d) Pages No.	1.(e) Total No. Pages
0691	3	USA/6291/B( )	1	2

2. PREAMBLE

- 2.(a) This certificate is issued to satisfy Sections 173.393a, 173.394, 173.395, and 173.396 of the Department of Transportation Hazardous Materials Regulations (49 CFR 170-189 and 14 CFR 103) and Sections 146-19-10a and 146-19-100 of the Department of Transportation Dangerous Cargoes Regulations (46 CFR 146-149), as amended.
- 2.(b) The packaging and contents described in item 5 below, meets the safety standards set forth in Subpart C of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Materials for Transport and Transportation of Radioactive Material Under Certain Conditions."
- 2.(c) This certificate does not relieve the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

3. This certificate is issued on the basis of a safety analysis report of the package design or application—

3.(a) Prepared by (Name and address): Biotronik Sales, Inc. 6024 SW Jean Road Lake Oswego, OR 97034	3.(b) Title and identification of report or application: McDonnell Douglas Astronautics Company application dated June 6, 1974, as supplemented 71-6291
	3.(c) Docket No.

4. CONDITIONS

This certificate is conditional upon the fulfilling of the requirements of Subpart D of 10 CFR 71, as applicable, and the conditions specified in item 5 below.

5. Description of Packaging and Authorized Contents, Model Number, Fissile Class, Other Conditions, and References:

(a) Packaging

- (1) Model No.: 400
- (2) Description

The packaging consists of a sealed ferrous metal can with minimum dimensions of 4 inches positioned within a DOT Specification 12B fiberboard box.

(b) Contents

- (1) Type and form of material

The contents consist of Betacel batteries Models 400 and 400L containing promethium-147 as  $Pm_2O_3$ , encapsulated to meet the requirements for special form materials with up to 100 curies per battery.

- (2) The maximum quantity of material per package  
2,000 curies.

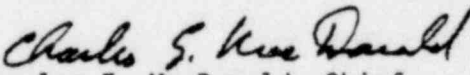
6. The Betacel batteries or pacemakers containing Betacel batteries shall be positioned within the sealed ferrous metal cans either by materials which will not generate pressure due to decomposition at temperatures up to 1475°F or by materials, which may decompose and generate pressure at temperatures up to 1475°F, provided a minimum 1/4-inch diameter vent hole is placed in the can or cans to preclude pressurization in the event of fire. The vent hole may be sealed with plastic tape.
7. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12(b).
8. Expiration date: September 30, 1984.

REFERENCES

McDonnell Douglas Astronautics Company application dated June 6, 1974 with Attachments Nos. 3, 4, 7 and 8.

Supplement dated: July 18, 1974.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

  
Charles E. MacDonald, Chief  
Transportation Certification Branch  
Division of Fuel Cycle and  
Material Safety

Date: FEB 04 1980