



U. S. Department of Homeland Security  
**United States Coast Guard**  
**Certificate of Approval**

Coast Guard Approval Number: 159.015/378/1

Expires: 07 April 2028

SEWAGE POLLUTION PREVENTION EQUIPMENT  
CERTIFICATION OF COMPLIANCE WITH 33 CFR 159 - Type II MSD

SCIENCO/FAST a Subsidiary of Bio-Microbics, Inc.  
12977 Maurer Industrial Drive  
Sunset Hills MO 63127-1515

Model: L-4X  
Capacity: 380 GPD (1435 LPD)

The model specified above has been tested by the National Sanitation Foundation report dated June 1979 and NSF International report number 11/01/4000 dated November 2011, and found to meet the requirements of Title 33, Code of Federal Regulations (CFR), Part 159 and shall be labeled in accordance with 33 CFR 159.16.

This equipment may not be installed in hazardous locations on U.S. flag vessels.

This equipment complies with the requirements of 33 CFR 159.97 and may be installed aboard inspected vessels.

Changes to the design or construction of these devices must be in accordance with 33 CFR 159.17.

\*\*\* End \*\*\*

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.

GIVEN UNDER MY HAND THIS 07<sup>th</sup> DAY OF  
APRIL 2023, AT WASHINGTON D.C.



S. M. PETERSON  
Chief, Engineering Division  
BY DIRECTION OF THE COMMANDANT

TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."