



CERTIFICATE NUMBER  
18-HS1755511-PDA

DATE  
19 Jul 2018

ABS TECHNICAL OFFICE  
Houston ESD - Piping

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## CERTIFICATE OF Design Assessment

This is to certify that a representative of this Bureau did, at the request of

### **WILHELMOSEN SHIPS SERVICE**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Water Purification**

Model: **778419**

This Product Design Assessment (PDA) Certificate 18-HS1755511-PDA, dated 19/Jul/2018 remains valid until 18/Jul/2023 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

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Tim Kimble  
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

## WILHELMSSEN SHIPS SERVICE

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**Tier: 2 - PDA Issued**

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**Product:** Water Purification

**Model:** 778419

**Intended Service:**

Marine and Offshore applications - Testing of Potable Water on Board Vessels

### Description:

The kit is modular in design and can be configured to test for:

Coliforms/E Coli bacteria,

Total bacteria,

Legionella bacteria,

Intestinal Enterococci bacteria,

Free, Total and High Range Chlorine,

pH, Iron, Copper, Turbidity and Colour.

### Rating:

See attached document - Marine Chemicals Nal fleet Potable Water Test Solution;

### Service Restriction:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

### Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

### Notes/Drawing/Documentation:

Product No. 778419, Potable Water Test Kit, 3 shts;

Brochure Marine Chemicals Nal fleet Potable Water Test Solution, 4 shts;

380620\_Ver 15, Marine Potable Water Test Kit Instruction Booklet;

Product No. 777930, Potable Incubator User Instruction Manual;

Safety Datasheet No: 778645, Rev. 3.3, Iron LR Tablets, Issue Date: 13/12/2016

Safety Datasheet No: 778646, Rev. 3.3, Copper No.1 Tablets, Issue Date: 30/11/2016

Safety Datasheet No: 777934, Rev. 4.4, DPD 1 Tablet, Issue Date: 05/10/2017

Safety Datasheet No: 777937, Rev. 2.2, Acidifying GP Tablets, Issue Date: 18/06/2016

Safety Datasheet No: 778416, Rev. 4.4, Intestinal Enterococci Kit, Issue Date: 13/12/2016

Safety Datasheet No: 777936, Rev. 2.3, Phenol Red, Issue Date: 19/09/2016

Safety Datasheet No: 777932, Rev. 3.3, E Coli Coliform Test Set, Issue Date: 06/12/2016

Safety Datasheet No: 777935, Rev. 3.3, DPD 3 Tablets, Issue Date: 05/10/2017

Safety Datasheet No: 778414, Rev. 3.3, Dilution Pots, Issue Date: 01/12/2016

Safety Datasheet No: 778413, Rev. 3.3, Bacteria Plates, Issue Date: 23/11/2016

Safety Datasheet No: 777938, Rev. 2.2, Chlorine HR Tablets, Issue Date: 06/09/2016

Test Method Approval Summary

Certificate No. RQA2007LR01,RQA2010LR01, 20 July 2011, 4 Pages;

Certificate No. 010404, 08 December 2012, 1 Page;

### Terms of Validity:

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**STANDARDS**

**ABS Rules:**

Rules for Conditions of Classification, Part 1 - 2018 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4  
Rules for Conditions of Classification, Part 1 - 2018 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3  
2006 ABS Guidance Notes on the ILO Maritime Labour Convention, Std. 3.2.1 & 3.2.7 (Up-dated October 2010)

**National:**

NA

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA