



Certificate Number	18 MZ3556767
Effective Date	10 December 2018
Expiry Date	09 December 2023
ABS Port Office	Mazatlan Mexico
Manufacturer's Website	nacobre.com.mx

CERTIFICATE OF Manufacturing Assessment

This is to certify that the Undersigned evaluated the manufacturing quality procedures of

Nacional De Cobre S.A. de C.V.

located at

San Luis Potosi Mexico

The quality monitoring systems during production were verified to reflect the specific surveys, required by the ABS Rules, Guides, the associated specifications and Standards for the manufacture of
Pipe, Copper and Copper Alloy

Nacobre (MR) Tubes:

Seamless Cu-Ni pipe, Tube (CuNi 90/10) C70600 / ABS Grades CNA, CN1

Seamless Cu-Ni pipe, Tube (CuNi 80/20) C71000

Seamless Cu-Ni pipe, Tube (CuNi 70/30) C71500 / ABS Grades CNB, CN2

Seamless Cu-Ni pipe, Tube (CuNi 70/30) C71640

Seamless DHP Deoxidized Copper pipe, Tube C12200 / ABS Grades C6, CF

Seamless Red Brass pipe, Tube C23000

Seamless Admiralty Brass, Arsenical C44300

Seamless Aluminum Brass, Arsenical C68700

This manufacturer presented a sample or specimen of the product, representative of the "type" approved for the purpose of verifying that the "type" has been manufactured in conformance with the Manufacturer's Product Design Assessment(s).

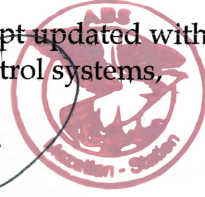
This Certificate is manufacturer and location specific and is subject to annual audits. Consult the ABS Type Approval website to confirm the continued validity of this certificate and the status of products.

NOTE: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the

survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



The ABS Office issuing the certificate is to be kept updated with changes to the production methods, quality control systems, products and models and any changes made.



Cesar Soto Zatarain

Cesar Soto Zatarain, Surveyor

Annual Endorsement

First	Second	Third	Fourth
_____ Surveyor	_____ Surveyor	_____ Surveyor	_____ Surveyor
_____ WO and Date	_____ WO and Date	_____ WO and Date	_____ WO and Date

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