



Marine & Offshore

Certificate number: SMS.W.II./141809/A.1

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RECOGNITION FOR BV MODE II SCHEME

Lotfy Bronze
GIZA - EGYPT

Summary of the range of the recognition which is detailed in the subsequent page(s):
DESIGN AND PRODUCTION OF COPPER ALLOY MARINE PROPELLERS AND PROPELLER BLADE
CASTINGS

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the manufacturing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 30 May 2027

For BUREAU VERITAS,
At BV ISTANBUL, on 19 Aug 2024,
Gurcan Yilmaz

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=gx5u4twdud>

BVMMod.Ad.E697June2017

This certificate consists of 2 page(s)

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

The products corresponding to the categories listed in the table below are to be certified individually or per batch by Bureau Veritas Marine & Offshore in compliance with the applicable requirements (IBV products as defined in NR320).

Generic product	Description
PROPELLER	FIXED PITCH PROPELLER

2. LIMITATIONS

The certificates listed in the range of recognition are to be valid, as applicable.

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to manufacturing facilities and associated quality procedures in order to agree on appropriate actions.

Lotfy Bronze has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

Lotfy Bronze - GIZA - EGYPT

4. REMARKS

1-The products are to be manufactured, examined and tested by the manufacturer in accordance with the Bureau Veritas Rules NR216 Rules on Materials and Welding for the Classification of Marine Units.

2-Arrangements shall be made for a Society's Surveyor to attend the tests and examinations at manufacturer's works in order to issue the Bureau Veritas certificate for the approved type to be fitted on board ships classed with Bureau Veritas.

***** END OF CERTIFICATE *****



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000033J

This is to certify:

That

Misr for Copper Products
Block 126, Extension of Sixth Industrial Zone, 6 October City,
Egypt

is an approved manufacturer of
Copper Alloy Castings
in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0251 Copper alloy castings

and the following particulars:

Application area	Castings for propellers Ni-Al-bronze (NV Cu3), Sand casting, See page 2 See page 2 As cast
Alloy type	
Manufacturing method	
Max. weight	
Max. wall thickness	
Heat treatment condition	

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at Hamburg on 2024-01-05

for DNV

This Certificate is valid until 2027-01-04.

DNV local unit: Egypt

Approval Engineer: Torben Schällicke

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Particulars of the approval

Castings for propellers

Alloy type	Grade	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition 2)
Ni-Al-bronze	NV Cu3	SC	160	200	AC

Remarks:

- 1) SC: Sand Casting
- 2) AC: As cast

Certificate NO : EG22.1210.M/Q

Applicable Code : (17)



CERT IND
MIDDLE EAST

Certificate of Registration

This is to certify that Quality Management System of

MISR FOR COPPER PRODUCTS

Block 126, Extension of 6th Industrial Zone 12451, 6th of October City, Egypt

Has Been Assessed And Found To Conform To
the requirements of

ISO 9001:2015

for The Following Scope

Manufacturing and Distribution of Casting Copper Alloys Products

Initial Registration Date : 31/12/2022
Surveillance 1 Audit Date : 30/12/2023
Surveillance 2 Audit Date : 30/12/2024

Issue Date : 31/12/2023
*Expiry Date : 30/12/2024
Validity : 30/12/2025



Ahmed El Shinnawy

Managing Director



IAF QR.C

CERTIND MIDDLE EAST

Accredited By: The Egyptian Accreditation Council (EGAC)

Office: 38 Matrouh Road- Elhadidy Tower- Unit1002, 10th Floor-Aldekhela - Alex- Egypt

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