



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 877178-6898677-001_____

Report No.: 6898677_____

Port of: Mumbai, India_____

Date: 21-APRIL-2025_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF D&H INDIA LIMITED, ATTEND THEIR PLANT AT PLOT-A, SEC-A, INDUSTRIAL AREA, SANWER ROAD, INDORE, M.P, INDIA, ON THE 13 DAY OF MARCH, 2025 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SHIELDED METAL ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
STANDARD	ABS	2	NA	ALL	AC/DCEN	2.50-5.0 MM
SUPER-LH	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM
SUPER-LH(SPL) H4R	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM



RAHUL VIDYADHAR BHAT SURVEYOR

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.



Certificate number : WM 12390/03/V.0

File number : 540/01

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

D & H INDIA LIMITED

Indore - INDIA

for the product

Covered Electrode for Manual Metal Arc Welding

Designation	: STANDARD
Grade	: 2
Description	: Rutile covering
Diameter	: 2.5 - 3.15 - 4.0 - 5.0 mm
Welding current	: AC/DC
Welding position	: All positions for butt welding except vertical downwards (PA, PF, PC, PE)
Remark	: Nil.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 06 Jun 2026

For Bureau Veritas Marine & Offshore,

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

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 and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. 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.



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW0000047
Revision No:
2

This is to certify:

that the **Electrode**

with trade name
Standard

Manufacturer
D & H India Limited
Indore, Madhya Pradesh, India

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	2
Current	AC/DC
Approved diameter	2.5 mm - 5.0 mm
Positions	All, incl. vertical downwards
Remarks	-

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2024-06-05**

This Certificate is valid until **2029-06-04**.

DNV local unit: **India CMC MES**

Approval Engineer: **Dietmar Liebich**

for **DNV**

Digitally Signed By:
Martin Wenning
Location: DNV Hamburg,
Germany



Any significant change in design or construction may render this Certificate invalid.

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.





Indian Register of Shipping

Certificate No.: 12 WC 117

AMENDED

CERTIFICATE OF APPROVAL OF WELDING CONSUMABLES FOR USE IN SHIP CONSTRUCTION

This is to Certify that the electrode described below has been tested in accordance with the Society's requirements and is being retained in the approved list of consumables for Welding in Ship Construction.

NAME OF MANUFACTURER	:	D & H INDIA LIMITED PLOT A, SECTOR-A, INDUSTRIAL AREA, SANWER ROAD, INDORE - 452 015, (M.P.)
TYPE OF ELECTRODE	:	COATED ELECTRODES FOR MANUAL ARC WELDING
TRADE NAME	:	STANDARD
WELDING POSITION	:	ALL POSITIONS
GRADE	:	2
SIZE (dia.) mm	:	2.5mm to 6.3mm
CURRENT TYPE	:	AC/DC (- ve)

Place : Mumbai
Date : 20.07.2012


C. SRIRAMAMURTHY
Chief Surveyor

The validity of this certificate is subject to Annual Approval being carried out in **JUNE** every year and the attachment to this certificate being endorsed by the Society's Surveyors.

See overleaf for conditions of issue of this Certificate

This Certificate replaces Cert. No. 97 WC 133 dated 01.12.1997.



Indian Register of Shipping

Attachment to Cert. No.: 12 WC 117

The validity of this Certificate is renewed on satisfactory completion of Annual Approval in accordance with the society's rules.

Signature

Surveyor's name

Port

Date


prashil Waghmare
Bhopal
19.10.2021



Signature

Surveyor's name

Port

Date


Prashil Waghmare
BHOPAL
15.12.2022



Signature

Surveyor's name

Port

Date


prashil Waghmare
Bhopal
27.10.2023



Signature

Surveyor's name

Port

Date


NITIN A RANE
Mumbai
02/08/24

IRS Stamp

MISC - CERT CONTD. (REV 0)