



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 425387-3379160-001_____

Report No.: SB3379160_____

Port of: Sturgeon Bay, WI_____

Date: 01 November 2017_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF WISCONSIN WIRE WORKS, ATTEND THEIR PLANT AT 319 UNIVERSAL STREET, WALES, WISCONSIN 53183, ON THE 1ST DAY OF NOVEMBER , 2017 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 INITIAL 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 GAS METAL ARC WELDING INCLUDING MIG/TIG 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>
WWW SIL WELD	AWS A5.7	ER CuSi-A	Argon Helium	All	DCEP/GMAW DCEN/GTAW	.023"-3/32" 1/16"-1/4"
WWW PHOS C WELD	AWS A5.7	ER CuSn-C	Argon Helium	All	DCEP/GMAW DCEN/GTAW	.035"-3/32" 1/16"-3/16"
WWW A2 BRONZE WELD	AWS A5.7	ER CuAl-A2	Argon Helium	All	DCEP/GMAW DCEN/GTAW	.030"-3/32" 1/16"-3/16"
WWW NICKEL BRONZE WELD	AWS A5.7	ER CuNiAl	Argon Helium	All	DCEP/GMAW DCEN/GTAW	.035"-1/16" 1/16"-5/32"
WWW MANG-NICKEL BRONZE WELD	AWS A5.7	ER CuMnNiAl	Argon Helium	All	DCEP/GMAW DCEN/GTAW	.035"-1/16" 1/16"-3/16"
WWW PHOS A WELD	AWS A5.7	ER CuSn-A	Argon Helium	All	DCEP/GMAW DCEN/GTAW	.035"-3/32" 1/16"-3/16"
WWW A1 BRONZE WELD	AWS A5.7	ER CuAl-A1	Argon Helium	All	DCEP/GMAW DCEN/GTAW	.035"-3/32" 1/16"-3/16"

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.

WWW A3
BRONZE
WELD

AWS A5.7


ER CUA1-A3

Argon
Helium

All

DCEP/GMAW
DCEN/GTAW

.035"-3/32"
1/16"-3/16"



Dion, Andrew D. PRINCIPAL SURVEYOR

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