



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 939275-5836185-001_____

Report No.: 5836185_____

Port of: Cleveland, Ohio_____

Date: 19 June 2023_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF HOBART BROTHERS, LLC., ATTEND THEIR PLANT AT TROY AND PIQUA, OHIO, ON THE 28TH DAY OF NOVEMBER, 2022 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 FLUX CORED ARC WELDING SECTION:

TRADE NAME	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	SIZE
FABCO 101	ISO-18276-B	T694T1-1MA-N3M1-UH5	75%Ar-25%CO2	ALL	DCEP	.045"
FABCO 110	AWS A5.29	E111T1-K3MJ H8	75%Ar-25%CO2	ALL	DECP	.045"-1/16"
FABCO 115	AWS A5.29	E110T5-K4C H4	100% CO2	ALL	DCEP	.045"-3/32"
FABCO 115K3	AWS A5.29	E110T5-K3C H4	100% CO2	F, H	DCEP	.045"-1/8"
FABCO 711M	ABS	2YSA	100% CO2	ALL	DCEP	.035"-1/16"
FABCO 711M	ABS	2YSA	75%Ar-25%CO2	ALL	DCEP	.035"-1/16"
FABCO 81N1	AWS A5.29	E80T1-Ni1CJ H8	100% CO2	ALL	DCEP	5/64"-3/32"
Tri-Mark TM-771	ABS	3YSA H10	100% CO2	ALL	DCEP	.035"-1/16"
FABCO 803	ABS**	3YSA	100% CO2	ALL	DCEP	.035"-1/16"
**Manufacturer's guaranteed CVN 20 ft-lbs at -50F, tensile strength 80-100 Ksi						
FABCO 811N1	ABS	3YSA	100% CO2	ALL	DCEP	.045"-1/16"
FABCO 812-Ni1M	ABS	5Y400 H5	75%Ar-25%CO2	ALL	DCEP	.045"
FABCO 881K2	AWS A5.29**	E81T1-K2MJ H8	80%Ar-20%CO2	ALL	DCEP	.045"
**Manufacture's guaranteed CVN 34J at -60C						
FABCO 991K2	AWS A5.29	E91T1-K2C H8	100% CO2	ALL	DCEP	.045"-1/16"
FABCO 991 K2	AWS A5.29	E91T1-K2M H8	75%Ar-25%CO2	ALL	DCEP	.045"-1/16"
FABCO ELEMENT 71TIC	ABS	2YSA H10	100% CO2	ALL	DCEP	.045"-1/16"
FABCO ELEMENT 71T1M	ABS	2YSA H10	75%Ar-25%CO2	ALL	DCEP	.045"-1/16"
FABCO ELEMENT 81K2C	ABS	3YSA H10	100% CO2	ALL	DCEP	.045"-1/16"
FABCO EXCEL-ARC 71	ABS	3YSA H10	100% CO2	ALL	DCEP	.045"-1/16"

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.

FABCO EXCEL-ARC 71	ABS	3YSA H10	75%Ar-25%CO2	ALL	DCEP	.045"-1/16"
FABCO RXR	ABS	2YSA H10	100% CO2	F	DCEP	.045"-1/8"
FABCO TR70	AWS A5.20	E70T-1CJ	100% CO2	F, H	DCEP	.045"-3/32"
FABCO TRIPLE 8	ABS	4YSA H5	100% CO2	ALL	DCEP	.045"-1/16"
Tri-Mark TM-770	MIL SPEC	E71T-1M-MIL H4	75%Ar-25%CO2	ALL	DCEP	.035"-1/16"
FABCO XL-525	ABS	3YSA	75%Ar-25%CO2	ALL	DCEP	.035"-1/16"
FABCO XL-525	ABS**	3YSA	80%Ar-20%CO2	ALL	DCEP	.035"-1/16"
	**Manufacturer's guaranteed CVN 34J @ -40C					
FABCO XL550	ABS**	4YSA H5	100% CO2	ALL	DCEP	1/16"
	**Manufacturer's guaranteed diffusible hydrogen content less than 4.0ml/100g maximum per AWS A4.3					
FABCO XTREME 120	AWS A5.29**	E121T5-CG H4	100% CO2	ALL	DCEN	1/16"
	**Manufacturer's guaranteed CVN 69J @ -76F					
FABSHIELD 21B	AWS A5.20	E71T-11	None	ALL	DCEN	.045"-5/64"
FABSHIELD 7027	AWS A5.20	E70T-7	None	F, H	DCEN	5/64"-7/64"
FABSHIELD 71K6	AWS A5.29	E71T8-K6J	None	ALL	DCEN	5/64"
FABSHIELD 81N1	AWS A5.29	E71T-Ni1J H8	None	ALL	DCEN	5/64"
FABSHIELD 81N2	AWS A5.29	E81T8-NiJ H8	None	ALL	DCEN	5/64"
FABSHIELD X80	AWS A5.29	E81T8-NiJ H8	None	ALL	DCEN	5/64"
FABSHIELD XLR-8	ABS	3YSA	None	ALL	DCEN	1/16"-5/64"
FABCO 81K2C	ABS	3YSA H10	100% CO2	ALL	DCEP	.045"
FABCO Element 71M	ABS	3YSA H10	75%Ar-25%CO2 (M2)	ALL	DCEP	.045"-1/16"
FABCO Element 71C	ABS	3YSA H10	100% CO2	ALL	DCEP	.045"-1/16"
FABSHIELD 71K6-NP	AWS A5.29	E71T8-K6J H8	None	ALL	DCEN	5/64"
FABSHIELD 71T8	AWS A5.29	E71T8-NiJ H8	None	ALL	DCEN	5/64"
FABCO 712M	ABS	5Y400 H5	M21-ArC-25	ALL	DCEP	.045"-.052"
FABCO 811B2	AWS A5.29:2010	E81T1-B2C H8	100%CO2	ALL	DCEP	.045"
FabCO 91K2-C	ABS	4YQ500 H5	100% CO2	ALL	DCEP	.052"
FABCO Triple 7	ABS	3YSA H10	C1(100% CO2)	ALL	DCEP	.045"-1/16"
FABCO Triple 7	ABS	3YSA H10	M21-ArC-25	ALL	DCEP	.045"-1/16"


 Thomas Perk, SURVEYOR

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