



# WELDING CONSUMABLE CERTIFICATE

Certificate No.: 159055-4249332-001\_\_\_\_\_

Report No.: 4249332\_\_\_\_\_

Port of: Gothenburg, Sweden\_\_\_\_\_

Date: 3 June 2021\_\_\_\_\_

## THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF ITW WELDING AB, ATTEND THEIR PLANT AT PARTILLE, SWEDEN, ON THE 20 APRIL DAY OF APRIL, 2020 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:

TRADE NAME	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/POLARITY	SIZE
ELGA P45S	ABS	2	--	All, V-Down	AC/DC EN EP	2,0-5,0mm
ELGA P47	ABS	4YQ420 H5	--	All	AC/DC EN EP	2,5-5,0mm
ELGA P47	AWS A5.1	E7016-1	--	F, H, V, OH	AC/DC EP	2,5-5,0mm
ELGA P48P	ABS	3Y	--	All	AC/DC	2,0-4,0mm
ELGA P48S	ABS	3Y	--	All	DC EP	1,6-6,0mm
ELGA P51	ABS	3Y	--	All	AC/DC EP	2,0-5,0mm
ELGA P62MR	ABS	3Y	--	All	AC/DC EP	2,5-5,0mm
ELGA P110MR	ABS	4YQ690	--	All	AC/DP EP	2,5-4,0mm
ELGA MAXETA 5	ABS	3	--	F	AC/DC EN	2,5-6,0mm
ELGA MAXETA 10	ABS	2	--	F	AC/DC EN	2,5-6,0mm
ELGA MAXETA 11	ABS	2	--	F	AC/DC EN	3,25-6,0mm
ELGA MAXETA 16	ABS	2	--	F, H	AC/DC EN EP	3,25-5,0mm
ELGA CROMAROD 308 L	ABS	Stainless*	--	All	AC/DC EP	1,6-5,0mm
*Manufacturer's guaranteed values: Y.S. min 350 N/mm <sup>2</sup> , T.S. min 550 N/mm <sup>2</sup> , Elongation min 35%. CVN min 45 J @ -20° C.						
ELGA CROMAROD 309MoL	AWS	E309MoL-17	--	All, except V-Down	AC/DC EP	2,0-5,0mm

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.

ELGA ABS Stainless\* -- All AC/DC EP 2,5-5,0mm  
CROMAROD  
309 L

\*Manufacturer's guaranteed values: Y.S. min 320 N/mm<sup>2</sup>, T.S. min 520 N/mm<sup>2</sup>, Elongation min 30%. CVN min 29 J @ -20° C.

ELGA ABS Stainless\* -- All AC/DC EP 1,6-5,0mm  
CROMAROD  
316 L

\*Manufacturer's guaranteed values: Y.S. min 350 N/mm<sup>2</sup>, T.S. min 510 N/mm<sup>2</sup>, Elongation min 30%. CVN min 47 J @ -20° C.

  
Stefan Jakobsson - SURVEYOR



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