

Certificate No.: 872433-4363352-001	
Report No.: 4363352	
Port of. Cleveland, Ohio	
Date: 21 August 2020	

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF LINCOLN ELECTRIC COMPANY, ATTEND THEIR PLANT AT CLEVELAND, OHIO, ON THE 30TH DAY OF AUGUST, 2019 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 SUBMERGED ARC WELDING SECTION:

TRADE <u>NAME</u>	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	<u>SIZE</u>
Lincolnweld L50/	ABS	3YM/			DCEP	1/16"-5/32"
Lincolnweld		3Y400M H10			DCLI	1/10 5/52
880M						
Lincolnweld L56/	ABS	4YM			AC/DCEP	1/16"-5/32"
Lincolnweld						1,10 0,02
880M						
Lincolnweld L56/	ABS	5YQ500M H5			DCEP	1/16"-5/32"
Lincolnweld 888						2,20 0,02
Lincolnweld L61/	ABS	4YM			DCEP	5/32"
Lincolnweld 8500						
Lincolnweld L70/	ABS	3YM			AC/DC	5/64"-3/16"
Lincolnweld 761						
Lincolnweld L70/	ABS	3YT			AC/DC	5/64"-3/16"
Lincolnweld 761						
Lincolnweld LA-7		4YQ460M H5			DCEP	3/32"-5/32"
Lincolnweld 880M						
Lincolnweld LA-8	4 ABS	4YQ550M			DCEP	3/32"
(LNS 164)/						
Lincolnweld 888						
Lincolnweld LA-8	5 ABS	5YQ500M H5			AC/DCEP	5/64"-3/16"
(LNS 165)/						
Lincolnweld 842-F						
Lincolnweld LA-8	5 ABS	5YQ500M H5			AC/DCEP	3/32"-3/16"
(LNS 165)/						
Lincolnweld 888	5 ADC	531046034			and the second second	
Lincolnweld LA-8	5 ABS	5YQ460M			AC/DCEP	3/32"-3/16"
(LNS 165)/ Lincolnweld 8500						
Lincolnweig 8500						

Note

Lincolnweld L-S3 (LNS 133U, L50M)/	ABS	4YQ420M	AC	1/8", 5/32"
Lincolnweld 888 Lincolnweld L-S3 (LNS 133U, L50M)/	ABS	5YQ420M	DCEP	1/8", 5/32"
Lincolnweld 8500				
Lincolnweld L-S3 (LNS 133U, L50M)/	ABS	5YQ420M H5	AC/DCEP	5/64"-5/32"
Lincolnweld 842H				
Lincolnweld LAC-690/ 842H	ABS	5YQ620M H5	AC/DCEP	3/32"-5/32"
Lincolnweld LAC-690/888	ABS	5YQ690M H5	AC/DCEP	3/32"-5/32"



Note:



Certificate No.: 872433-4363352-002	
Report No.: 4363352	
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THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF LINCOLN ELECTRIC COMPANY, ATTEND THEIR PLANT AT CLEVELAND, OHIO, ON THE 30TH DAY OF AUGUST, 2019 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 <u>NAME</u> <u>SPI</u>	ECIFICATION	GRADE OR CLASS	SHIELDING <u>GAS</u>	POSITION	CURRENT/ POLARITY	SIZE
Innershield NR-203	ABS	3YSA		ALL	DCEN	5/64"
Nickel (1%)					20211	3701
Innershield NR-203	ABS	3YSA		ALL, V-	DCEN	0.040"-5/64"
MP				DOWN*		
*Position restrictions: V	ertical up and ov	erhead - sizes 0.04"	-5/64" only; Vertica	l down sizes 0.06	8"-5/64" only	
Innershield NR-232	ABS	3YSA*		ALL	DCEN	0.068"-5/64"
*Non-low hydrogen ele	ctrode, required s	special approval for	use on higher strengt	h steel.		
Innershield NR-305	ABS	2YSA H10		F	DCEP	5/64"
Innershield NR-311 Ni	ABS	2YSA		F	DCEP	5/64"-7/64"
Innershield NR-440Ni2	ABS	4YSA H5		ALL	DCEN	1/16"-5/64"
Outershield 70	ABS	2YSA	CO2	F	DCEP	1/16"-3/32"
Outershield 71M	ABS	3YSA	75%Ar-25%CO2	ALL	DCEP	0.045"-
						1/16"
Outershield 71M	ABS	3YSA	CO2	F	DCEP	0.072"
Outershield 71M	ABS	3YSA	CO2	ALL	DCEP	0.045"-1/16"
Outershield XLH-70	ABS	3YSA H5	CO2	F	DCEP	3/32"
UltraCore 70C	ABS	2YSA H10	CO2	F	DCEP	1/16"-3/32"
UltraCore 71A85	ABS	3YSA H10	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
UltraCore 712A80	ABS	4YSA H10	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
UltraCore 712A80-H	ABS	4YSA H5	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
UltraCore 712A80-H	ABS	4YSA H5	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
Plus						
UltraCore 712C	ABS	3YSA H10	CO2	ALL	DCEP	0.045"-1/16"
UltraCore 712C-H	ABS	4YSA H5	CO2	ALL	DCEP	0.045"-1/16"
Plus						
UltraCore 81K2A75-H	ABS	4YQ460SA H5	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"

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.

Materials Manufacturer Approval Audits CLS-PRI-00826

UltraCore 81K2C-H	ABS	4YQ460SA H5	CO2	ALL	DCEP	0.045"-1/16"
UltraCore 81Ni1A75-H	ABS	4YQ460SA H5	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
UltraCore 81Ni1C-H	ABS	4YQ460SA H5	CO2 (C1)	ALL	DCEP	0.045"-1/16"
UltraCore 81NiM-H	ABS	4YQ460SA H5	75%Ar-25%CO2	ALL	DCEP	1/16"
Plus		_				1, 10
UltraCore 81Ni2A75-H	ABS	3YSA H5	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
UltraCore 81Ni2C-H	ABS	3YSA H5	CO2	ALL	DCEP	0.045"-1/16"
UltraCore 91K2C-H	ABS	4YQ500SA H5	CO2	ALL	DCEP	0.045"-1/16"
Plus						0.0.0
UltraCore 91K2M H	ABS	4YQ500SA H5	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
Plus						
UltraCore HD Trinity	ABS	2YSA H10	CO2	ALL	DCEP	1/16"
UltraCore HD-C	ABS	3YSA H10	CO2	ALL	DCEP	0.045"-1/16"
UltraCore HD-12C	ABS	3YSA H10	CO2	ALL	DCEP	0.045"-1/16"
UltraCore HD-M	ABS	3YSA H10	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
UltraCore HD-12M	ABS	3YSA,	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
		3Y400SA H10				
UltraCore 81Ni1C-H	ABS	4YQ460SA H5	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
Plus	. 50					
UltraCore 81NiM-H	ABS	4YQ460SA H5	75%Ar-25%CO2	ALL	DCEP	0.045"-1/16"
Plus						

Thomas Perk, SURVEYOR

Note:



Certificate No.: 872433-4363352-003	
Report No.: 4363352	
Port of Cleveland, Ohio	
Date: 21 August 2020	

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THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF LINCOLN ELECTRIC COMPANY, ATTEND THEIR PLANT AT CLEVELAND, OHIO, ON THE 30TH DAY OF AUGUST, 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 SPEC	CIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	SIZE
Excalibur 10018-D2 MR	ABS	3YQ620 H5		ALL	AC/DCEP	3/32"-5/32"
Excalibur 11018M MR	ABS	4YQ620 H5		ALL	DCEP	3/32"-3/16"
Excalibur7018 MR	ABS	3Y H5		ALL	AC/DCEP	3/32"-3/16"
Excalibur7018-1 MR	ABS	3Y H5		ALL	AC/DCEP	3/32"-1/4"
Excalibur7018M MR	ABS	3Y H5		ALL	DCEP	3/32"-5/32"
Excalibur7028	ABS	3Y (Fillet Only)		F, H	AC/DCEP	5/32"-7/32"
Jetweld LH-70	ABS	3Y		ALL	AC/DCEP	3/32"-1/4"
Millennium Arc 7018-1	ABS	3Y H5		ALL	AC/DCEP	3/32"-3/16"



Note

ABS

WELDING CONSUMABLE CERTIFICATE

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THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF LINCOLN ELECTRIC COMPANY, ATTEND THEIR PLANT AT CLEVELAND, OHIO, ON THE 30TH DAY OF AUGUST, 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 GAS METAL ARC WELDING INCLUDING MIG/TIG WELDING SECTION:

TRADE <u>NAME</u>	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	
Piperliner 80Ni1	ABS	5YQ500SA H5	90%Ar-10%CO2	ALL, V- DOWN	DCEP	1.0mm-1.2mm
Super-Arc L-50	ABS	3YSA H5	75%Ar-25%CO2	ALL	DC	0.030"-1/16"
Super-Arc L-56	ABS	3YSA H5	75%Ar-25%CO2	ALL	DC	0.035"-1/16"
Super-Arc L-59	ABS	3YSA H5	75%Ar- 25%CO2(M2)	F, H, V-UP	DCEP	0.035"-1/16"
Super-Arc L-59	ABS	3YSA H5	CO2 (C1)	F, H, V-UP	DCEP	0.035"-1/16"
Super-Arc LA-100	ABS	4YQ550SA	75%Ar-25%CO2	F	DCEP	1.2mm
Pipeliner 70S-6	ABS	3YSA	50%Ar-50%CO2	ALL	DCEP	1.0mm- 1.2mm



Note



Certificate No.: 872433-4092950-001
Report No.: C4092950
Port of Cleveland, Ohio
Date: 15 January 2020

THIS IS TO CERTIFY

Note:

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF LINCOLN ELECTRIC COMPANY, ATTEND THEIR PLANT AT CLEVELAND, OHIO, ON THE 30TH DAY OF AUGUST, 2019 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 SUBMERGED ARC WELDING SECTION:

TRADE GRADE SHIELDING CURRENT/ NAME **SPECIFICATION** OR CLASS **POSITION** GAS **POLARITY** SIZE Lincolnweld LA-ABS 5YQM550 H5 AC, DCEP 5/64 in, 3/32 in, 84(LNS 164)/842-H 1/8 in, 5/32 in, 3/16 in

Thomas Perk, SURVEYOR CLEVELY