

Certificate No.: 872433-4321161-001	_
Report No.: 4321161	_
Port of: Cleveland, Ohio	_
Date: 21 July 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 SHIELDED METAL ARC WELDING SECTION:

TRADE <u>NAME</u>	SPECIFICATION	GRADE OR CLASS	SHIELDING <u>GAS</u>	POSITION	CURRENT/ POLARITY	<u>SIZE</u>
Easy-Arc 7018MR	AWS A5.1	E7018		All	AC, DCEP	3/32"-1/4"
Murex 6011C	AWS A5.1	E6011		All	DCEP	3/32"-3/16"
Murex 7018 MR	AWS A5.1	E7018		All	DCEP	3/32"-1/4"
Murex B7018 MR	AWS A5.1	E7018		All	DCEP	3/32"-1/4"
Excalibur 7018-A1 MR	AWS A5.5	E7018-A1-H4R		All	AC, DCEP	3/32"-5/52"
Excalibur 8018-C3 MR	AWS A5.5	E8018-C3-H4R		All	AC, DCEP	3/32"-1/4"
Excalibur 9018M MR	AWS A5.5	E9018M-H4R		All	DCEP	3/32"-3/16"
Excalibur 11018M MR	AWS A5.5	E11018M-H4R		All	DCEP	3/32"-3/16"
Fleetweld 35	AWS A5.1	E6011		All	DCEP	3/32"-1/4"
Fleetweld 35LS	AWS A5.1	E6011		All	DCEP	1/8"-5/32"
Fleetweld 37	AWS A5.1	E6013		All	DCEP	1/16"-3/16"
Fleetweld 47	AWS A5.1	E7014		All	AC ,DCEP	3/32"-3/16"
Fleetweld 5P+	AWS A5.1	E6010		All	DCEP	3/32"-3/16"
Fleetweld 5P	AWS A5.1	E6010		All	DCEP	3/32"-1/4"
Jet - LH78 MR	AWS A5.1	E7018		All	DCEP	3/32"-1/4"
Jetweld 1	AWS A5.1	E7024-1		All	DCEP	3/32"-1/4"
Jetweld 2	AWS A5.1	E6027		All	DCEP	5/32"-1/4"
Jetweld LH-70	AWS A5.1	E7018		All	DCEP	3/32"-1/4"
Shield Arc 70+	AWS A5.5	E8010-G		All	DCEP	1/8"-3/16"
Shield Arc 85	AWS A5.5	E7010-A1		All	DCEP	3/32"-3/16"
Shield-Arc HYP+	AWS A5.5	E7010-P1		All	DCEP	1/8"-3/16"
Pipeliner 6P+	AWS A5.1	E6010		All	DCEP	2.5mm-5.0mm

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Materials Manufacturer Approval Audits CLS-PRI-00826

Pipeliner 7P+	AWS A5.5	E7010-P1	All	DCEP	3.2mm-5.0mm
Pipeliner 8P+	AWS A5.5	E8010-P1	All	DCEP	3.2mm-5.0mm
Pipeliner 16P	AWS A5.1	E7016-H4	All	AC, DCEP	2.5mm-4.0mm
Pipeliner LH-D80	AWS A5.5	E8045-P2 H4R	All	DCEP	3.2mm-4.5mm
Pipeliner LH-D90	AWS A5.5	E9045-P2 H4R	All	DCEP	3.2mm-4.5mm
Excalibur 308L-16	AWS A5.4	E308L-16	All	DCEP	3/32"-3/16"
Excalibur 308/ 308L-15	AWS A5.4	E308-15/ E308L-15	All	DCEP	3/32"-1/8"
Excalibur 308/ 308H-16	AWS A5.4	E308-16/ E308H-16	All	DCEP	3/32"-3/16"
Excalibur 308/ 308L-17	AWS A5.4	E308-17/ E308L-17	All	AC, DCEP	3/32"-3/16"
Excalibur 309/ 309L-15	AWS A5.4	E309-15/ E309L-15	All	DCEP	3/32"-1/8"
Excalibur 309/ 309L-16	AWS A5.4	E309-16/ E309L-16	All	DCEP	3/32"-3/16"
Excalibur 309/ 309L-17	AWS A5.4	E309-17/ E309L-17	All	AC, DCEP	3/32"-3/16"
Excalibur 316/ 316L-15	AWS A5.4	E316-15/ E316L-15	All	DCEP	3/32"-1/8"
Excalibur 316/ 316L-16	AWS A5.4	E316-16/ E316L-16	All	DCEP	3/32"-3/16"
Excalibur 316/ 316L-17	AWS A5.4	E316-17/ E316L-17	All	AC, DCEP	3/32"-3/16"

Thomas Perk, SURVEYOR



Certificate No.: 872433-4321161-002	_
Report No.: 4321161	
Port of: Cleveland, Ohio	_
Date: 21 July 2020	

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF LINCOLN ELECTRIC COMPANY, ATTEND THEIR PLANT AT CLEEVLAND, 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 L50/960	AWS A5.17	F7A2-EM 13K-H4			DCEP	.035"-3/16"
Lincolnweld L60/761	AWS A5.17	F7A2-EL 12-H8			DCEP	5/64"-7/32"
Lincolnweld L60/780	AWS A5.17	F7A0-EL 12-H8			DCEP	1/16"-3/16"
Lincolnweld L60/860	AWS A5.17	F6A2-EL 12-H4			DCEP	5/64"-7/32"
Lincolnweld L61/761	AWS A5.17	F7A2-EM 12K-H8			DCEP	1/16"-3/16"
Lincolnweld L61/780	AWS A5.17	F7A2-EM 12K-H8			DCEP	1/16"-3/16"
Lincolnweld L61/860	AWS A5.17	F7A2-EM 12K-H8			DCEP	1/16"-3/16"
Lincolnweld L61/882	AWS A5.17	F7A6-EM 12K-H8			DCEP	1/16"-3/16"
Lincolnweld L61/960	AWS A5.17	F7A2-EM 12K-H8			DCEP	1/16"-3/16"
Lincolnweld 309/309L	AWS A5.9	ER309/ ER309L			DCEP	5/64"-5/32"
Lincolnweld 316/316L	AWS A5.9	ER316/ ER316L			DCEP	5/64"-5/32"
Lincolnweld 308/308L	AWS A5.9	ER308/ ER308L			DCEP	5/64"-5/32"

Thomas Perk, SURVEYOR

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CLS-PRI-00826



Certificate No.: 872433-4321161-003	
Report No.: 4321161	
Port of. Cleveland, Ohio	
Date: 21 July 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 FLUX CORED ARC WELDING SECTION:

TRADE <u>NAME</u>	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	SIZE
Innershield NR-207	AWS A5.29	E71T8-K6		All, V-Down	DCEP	.068"-5/64"
Innershield NR-211 MP	AWS A5.20	E71T-11		All	DCEN	.030"-3/32"
Innershield NR-305	AWS A5.20	E70T-6-H16		Flat	DCEP	3/32"
Innershield NR-311	AWS A5.20	E70T-7		F, H	DCEN	5/64"-7/64"
Outershield 91K2-H	AWS A5.29	E91T1-K2M- H8	75%Ar-25%CO2	Flat	DCEP	1/16"052"
UltraCore 71C	AWS A5.20	E71T-1C- H8/E71T-9C-H	CO2	All	DCEP	.045"-1/16"
UltraCore FC 308L	AWS A5.22	E308LT0-1/ E308T0-1	CO2	F	DCEP	.045"-1/16"
UltraCore FC 308L	AWS A5.22	E308LT0-4/ E308T0-4	75%Ar-25%CO2	F	DCEP	.045"-1/16"
UltraCore FC 309L	AWS A5.22	E309LT0-1/ E309T0-1	CO2	F	DCEP	.045'-1/16"
UltraCore FC 309L	AWS A5.22	E309LT0-4/ E309T0-4	75%Ar-25%CO2	F	DCEP	.045"-1/16"
UltraCore FC 316L	AWS A5.22	E316LT0-1/ E316T0-1	CO2	F	DCEP	.045"-1/16"
UltraCore FC 316L	AWS A5.22	E316LT0-4/ E316T0-4	75%Ar-25%CO2	F	DCEP	.045"-1/16"
UltraCore FCP 308L	AWS A5.22	E308LT-1/ E308T1-1	CO2	All	DCEP	.045"-1/16"
UltraCore FCP 308L	AWS A5.22	E308LT1-4/ E308T1-4	75%Ar-25%CO2	All	DCEP	.045"-1/16"
UltraCore FCP 309L	AWS A5.22	E309LT1-1/ E309T1-1	CO2	All	DCEP	.045"-1/16"

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UltraCore FCP 309L	AWS A5.22	E309LT1-4/	75%Ar-25%CO2	All	DCEP	.045"-1/16"
UltraCore FCP 316L	AWS A5.22	E316LT1-1/	CO2	All	DCEP	.045"-1/16"
UltraCore FCP 316L	AWS A5.22	E316LT1-4/	75%Ar-25%CO2	All	DCEP	.045"-1/16"
Innershield NR-233	AWS A5.20-05	E71T-8-H16		ALL	DC-	1/16"-5/64"
Innershield NR-233	AWS A5.20-05	E71T-8-H10		Flat	DCEN	5/64"
Pipliner G90M	AWS A5.29	E111T1-		ALL	DCEP	1.2mm
		K3MJ-H8				
	UltraCore FCP 316L UltraCore FCP 316L Innershield NR-233 Innershield NR-233	UltraCore FCP 316L AWS A5.22 UltraCore FCP 316L AWS A5.22 Innershield NR-233 AWS A5.20-05 Innershield NR-233 AWS A5.20-05	UltraCore FCP 316L AWS A5.22 E309T1-1 UltraCore FCP 316L AWS A5.22 E316LT1-1/ UltraCore FCP 316L AWS A5.22 E316LT1-4/ E316T1-4 Innershield NR-233 AWS A5.20-05 E71T-8-H16 Innershield NR-233 AWS A5.20-05 E71T-8-H10 Pipliner G90M AWS A5.29 E111T1-	UltraCore FCP 316L AWS A5.22 E316LT1-1/ CO2 E316T1-1 UltraCore FCP 316L AWS A5.22 E316LT1-4/ 75%Ar-25%CO2 E316T1-4 Innershield NR-233 AWS A5.20-05 E71T-8-H16 Innershield NR-233 AWS A5.20-05 E71T-8-H10 Pipliner G90M AWS A5.29 E111T1-	UltraCore FCP 316L AWS A5.22 E316LT1-1/ CO2 All E316T1-1 UltraCore FCP 316L AWS A5.22 E316LT1-4/ 75%Ar-25%CO2 All E316T1-4 Innershield NR-233 AWS A5.20-05 E71T-8-H16 ALL Innershield NR-233 AWS A5.20-05 E71T-8-H10 Flat Pipliner G90M AWS A5.29 E111T1- ALL	UltraCore FCP 316L AWS A5.22 E316LT1-1/ CO2 All DCEP E316T1-1 UltraCore FCP 316L AWS A5.22 E316LT1-4/ 75%Ar-25%CO2 All DCEP E316T1-4 Innershield NR-233 AWS A5.20-05 E71T-8-H16 ALL DC-Innershield NR-233 AWS A5.20-05 E71T-8-H10 Flat DCEN Pipliner G90M AWS A5.29 E111T1- ALL DCEP

Thomas Perk, SURVEYOR



Certificate No.: 872433-4321161-004	
Report No.: 4321161	
Port of Cleveland, Ohio	
Date: 21 July 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, 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		GRADE	SHIELDING		CURRENT/	
NAME	SPECIFICATION	OR CLASS	GAS	POSITION	POLARITY	SIZE
Blue Max MIG	AWS A5.9	ER308/		All	DCEP	.030"-3/16"
308L		ER308L				
Blue Max MIG	AWS A5.9	ER309/		All	DCEP	.030"-3/16"
309L	1,7770 1 - 2	ER309L				
Blue Max MIG 310	AWS A5.9	ER310		All	DCEP	.030"-3/16"
Blue Max MIG	AWS A5.9	ER316/		All	DCEP	.030"-3/16"
316L		ER316L				
Blue Max MIG 347	AWS A5.9	ER347		All	DCEP	.030"-3/16"
Blue Max MIG 2594	AWS A5.9	ER2594	Argon	All	DCEP	.030"-3/16"
Blue Max	AWS A5.9	ER308Si/		All	DCEP	.030"-3/16"
308LSi		ER308LSi		****	DCLI	.030 -3/10
Blue Max MIG	AWS A5.9	ER309Si/		All	DCEP	.030"-3/16"
309LSi		ER309LSi				.050 3/10
Blue Max MIG	AWS A5.9	ER316Si/		All	DCEP	.030"-3/16"
316LSi		ER316LSi				
Blue Max MIG 2209	AWS A5.9	ER2209		All	DCEP	.030"-1/8"
Blue Max	AWS A5.9	ER316/		All	DCEP	.030"-3/16"
Orbital TIG		ER316L				
316L						
Lincoln	AWS A5.9	ER2594		All	DCEP	.030"-3/16"
ER2594						
Lincolnweld 2594	AWS A5.9	ER2594		All	DCEP	.030"-3/16"
Lincoln ER308/308L	AWS A5.9	ER308/ER308L		All	DCEP	.030"-3/16"

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Materials Manufacturer Approval Audits CLS-PRI-00826

Lincolnweld 308/308L	AWS A5.9	ER308/ER308L		All	DCEP	.030"-3/16"
Lincoln ER309/309L	AWS A5.9	ER309/ER309L		All	DCEP	.030"-3/16"
Lincolnweld 309/309L	AWS A5.9	ER309/ER309L		All	DCEP	.030"-3/16"
Lincoln ER310	AWS A5.9	ER310		All	DCEP	.030"-3/16"
Lincolnweld 310	AWS A5.9	ER310		All	DCEP	.030"-3/16"
Lincoln ER316/316L	AWS A5.9	ER316/ER316L		All	DCEP	.030"-3/16"
Lincolnweld 316/316L	AWS A5.9	ER316/ER316L		All	DCEP	.030"-3/16"
Lincoln ER347	AWS A5.9	ER347		All	DCEP	.030"-3/16"
Lincolnweld 347	AWS A5.9	ER347		All	DCEP	.030"-3/16"
Lincoln ER2209	AWS A5.9	ER2209		All	DCEP	.030"-1/8"
Lincolnweld 2209	AWS A5.9	ER2209		All	DCEP	.030"-1/8"
Techalloy 413	AWS A5.7	ERCuNi		All	DCEP	.030"-3/16"
Techalloy 625	AWS A5.14	ERNiCrMo-3	Argon	All	DCEP	.030"-3/16"
Techalloy 825	AWS A5.14	ERNiFeCr-1	Argon	All	DCEP	.030"-3/16"
LINCOLN Red Max 308Lsi	AWS A5.9	ER308Lsi ER308Si		All		0.035",0.04 5", 1/16"
LINCOLN Red Max 309Lsi	AWS A5.9	ER309Lsi ER309Si		All		0.035",0.04 5", 1/16"
LINCOLN Red Max 316Lsi	AWS A5.9	ER316Lsi ER316Si		All		0.035",0.04 5", 1/16"

Thomas Perk, SURVEYOR

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