



562-692-5911
 562-695-2323 (fax)
 la.sales@mcmaster.com



Certificate

Purchase Order PO26231775	Order Date 6/9/2026	Placed By Christopher Berger	McMaster-Carr Number 8677354-02	Number of Certificates 1
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Line	Product	Ordered	Status	Certificate
27	94361A579 Short-Thread Alloy Steel Shoulder Screw, 3 mm Shoulder Diameter, 12 mm Shoulder Length, M2 x 0.4 mm Thread	1 each	1 each delivers June 11	311-5281



CERTIFICATE OF TEST

Page 01 of 01

**PN - ALYSHSS-M3X12MTLF
LOT# 407225-6**

Certification Date
6-NOV-2024

CUSTOMER ORDER NUMBER

0196061

EARLE M. JORGENSEN COMPANY
2520 METROPOLITAN DRIVE
TREVOSE PA 19053

Invoice Number
S362768

CUSTOMER PART NUMBER

0001 505912

SOLD TO: RICHARD MANNO & COMPANY

SHIP TO:

RICHARD MANNO & COMPANY

42 LAMAR STREET
WEST BABYLON NY 11704

Description: 4140/4142 CF ANN BAR ASTM A108
 ✓ 1/4 RD X 12' R/L Line Total: 1600 LB
 HEAT: 10883820 ✓ ITEM: 505912

Specifications:
 ASTM A108 ✓ ASTM A331*

CHEMICAL ANALYSIS

C	MN	P	S	SI	CU	NI	CR
0.41	0.87	0.007	0.024	0.28	0.11	0.06	0.93
MO	TI	V	NB	AL	SN		
0.22	0.002	0.003	0.002	0.028	0.006		

RCPT: R723687

VENDOR: KRUEGER STEEL AND WIRE

COUNTRY OF ORIGIN :

END-QUENCH HARDENABILITY (JOMINY - RC)

IN

1	2	3	4	5	6	7	8	9	10	12	14	16	18	20
57	57	57	57	57	57	57	55	54	53	50	49	46	46	45
24	28	32												
43	41	38												

GRAIN SIZE :5 -

STRAND CAST REDUCTION RATIO 81.0 TO 1
 MATERIAL IS FREE FROM MERCURY CONTAMINATION
 NO WELD REPAIR PERFORMED ON MATERIAL

VACUUM DEGASSED

COMMENTS

*ASTM A331 WITHDRAWN, REPLACED BY ASTM A108

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination.

We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes.

Material did not come in contact with mercury while in our possession.

JASON LITVAK

Quality Assurance Representative



R723687

PRODUCT CERTIFICATION

WORK ORDER 078878 HEAT NUMBER 10883820 ✓
 SALES ORDER / RLS 071622 / 001

SOLD TO

Earle M. Jorgensen - 423
 1900 Mitchell Blvd.
 Schaumburg, IL 60193
 United States
 Attn: Certs

PN - ALYSHSS-M3X12MTLF
LOT# 407225-6

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	COILS	LADING NO	SHIPMENT DATE								
P311674-423	505912	12,883 lb	3	00053814	04/26/2024								
SPECIFICATION 250R4140/42LPAN-144													
.247"/.250" Diam 4140/42 LPAN ASTM A108-18/A331 x 144.0000"													
CERTIFICATION REQUIREMENTS													
* MATERIAL SUPPLIED IS MERCURY AND WELD FREE													
* ELECTRIC ARC FURNACE													
* LADLE REFINED													
CERTIFICATION													
>> ASTM A108-18 <<													
>> MANUFACTURED IN USA <<													
>> FINE GRAIN <<													
Chemical													
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Boro	Ti			
.41	.87	.007	.024	.28	.11	.06	.93	.22	.0001	.002			
V	Nb	Al	Sn	Nitr									
.003	.002	.028	.006	.0080									
Physical													
Melt Mill		Hot Roll Mill		Melt Country									
Charter Steel		Charter Steel		USA									
Rod Production Country			Caster Class										
USA			Strand Cast										
Reduction Ratio													
11/16-81:1;9/32-488:1													
Grain Practice		Deoxidation Practice		Vacuum Degassed									
Aluminum Fine Grain		Silicon		yes									
JOM01	JOM02	JOM03	JOM04										
57	57	57	57										
JOM05	JOM06	JOM07	JOM08	JOM09	JOM10	JOM12	JOM14	JOM16	JOM18	JOM20	JOM24	JOM28	JOM32
57	57	57	55	54	53	50	49	46	46	45	43	41	38

I certify that the results are a true and correct copy of the records prepared and maintained by Krueger Steel & Wire in compliance with the requirements of the cited specification. Chemistry is as reported by the rod / bar supplier. This test report cannot be reproduced or distributed except in full without the written permission of Krueger Steel & Wire.

David R. Kissel

David R. Kissel, Quality Manager

Date Printed: 04/26/2024



PRODUCT CERTIFICATION

WORK ORDER
078878

HEAT NUMBER
10883820
SALES ORDER / RLS
071622 / 001

SOLD TO

Earle M. Jorgensen - 423
1900 Mitchell Blvd.
Schaumburg, IL 60193
United States
Attn: Certs

PN - ALYSHSS-M3X12MTLF
LOT# 407225-6

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	COILS	LADING NO	SHIPMENT DATE
P311674-423	505912	12,883 lb	3	00053814	04/26/2024
Other					
	Rockwell				
078878-1	Rb-97				
078878-2	??????????????				
078878-3	??????????????				
End of Certification					

I certify that the results are a true and correct copy of the records prepared and maintained by Krueger Steel & Wire in compliance with the requirements of the cited specification. Chemistry is as reported by the rod / bar supplier. This test report cannot be reproduced or distributed except in full without the written permission of Krueger Steel & Wire.

David R. Kissel / Quality Manager

Date Printed: 04/26/2024