

ALGOMA STEEL INC., 105 West Street, Sault Ste. Marie, Ontario, Canada P6A 7B4ALGOMA

ALGOMA STEEL INC.

SO No., Item & Date:	8111037 000010 2022/09/18	Shipment No. & Date:	1000475805 2022/09/19	TC No., Date & Time:	ASI-834699 2022/09/20 - 10:09:54								
				Customer PO NO./Item:	7740044 / 1								
				BOL NO.:	1000475805								
				Cust. Part No.:									
				Carrier:	KEN GRAHAM TRUCKING INC - 1204 651AB								
Customer Specification: HR FLOOR PLATE, Floor Plate Carbon CQ / CS ALGOMA 50/ASTM A786 (2015) Top Standard Surface Standard Shape Gauge type MIN - 0/+ 0.0340 "													
Supplementary Instructions: Test Cert 1: sharper@kibeckmetals.com Test Cert 2: MTR@KLOECKNERMETAL.S.COM													
Insp T/R : Chemical Analysis													
ALGOMA STEEL INC. HEREBY CERTIFIES THAT THE MATERIAL HEREIN DESCRIBED WAS MADE AND TESTED IN ACCORDANCE WITH THE RULES OF THE SPECIFICATION SHOWN. ALL RESULTS ARE RETAINED IN ACCORDANCE WITH THE COMPANY'S RECORD KEEPING PRACTICES. THIS MATERIAL IS NOT TO BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF ALGOMA STEEL INC. IF YOU RECEIVE THIS DOCUMENT AND ARE NOT THE INTENDED RECEIVER, PLEASE CALL (706)945-4086 FOR INSTRUCTIONS ON METHOD OF DISPOSAL OF DOCUMENT. THIS TEST REPORT HAS BEEN GENERATED BY A COMPUTERIZED SYSTEM AND IS VALID WITHOUT A PHYSICAL SIGNATURE.													
MEETS EN 10204 3.1													
ISO QUALITY AND ENVIRONMENTAL CERTIFICATES AVAILABLE AT WWW.ALGOMA.COM													
ALL HEATS FULLY KILLED													
HEATS INDICATED WITH (C) FINE GRAINED													
HEATS INDICATED WITH (+) Melted and poured in CANADA; Made in Canada for USMCA duty preference purposes.													
Dimensions (T x W x L)	Batch No.	Heat No-MS	Quantity	No. of Pcs	Dimensions (T x W x L)	Batch No.	Heat No-MS	Quantity	No. of Pcs				
0.2400 * x 96.000 "	HQQ1828	9275J5-01	20,470 LB	1	0.2400 * x 96.000 "	HQQ1825	9436J5-01	27,820 LB	1				
CHEMICAL PROPERTIES													
Heat No. (wt%)	C	Mn	P	S	Si	Cr	Ni	Cu	Mo	Al	Nb	Ti	V
9275J5*	0.19	0.99	0.015	0.006	0.040	0.04	0.01	0.03	0.01	0.032	0.001	0.046	0.002
9436J5*	0.21	1.01	0.011	0.005	0.040	0.05	0.02	0.03	0.01	0.028	0.000	0.042	0.001

KARSTEN ROGERS
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 MANAGER METALLURGICAL SERVICES

****WARNING**** THE TEST RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (1) THE PARTICULAR STEEL FOR WHICH THIS CERTIFICATE IS ISSUED MEETS THE MINIMUM SPECIFIED YIELD STRENGTH AND (2) THE ANALYSIS AND PHYSICAL PROPERTIES OF SUCH STEEL ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATION. THESE VALUES REPORTED HEREIN CAN NOT BE USED TO QUALIFY THE STEEL FOR ANY SPECIFICATION OTHER THAN THE ONE INDICATED AND CAN NOT BE RELIED UPON FOR ANY PURPOSE (INCLUDING DESIGN OR CALCULATIONS) AS REPRESENTING THE ACTUAL STRENGTH OF SUCH STEEL.



KloECKNER Metals Corporation

KloECKNER Metals Corp - CHI
12900 S. Metron Drive
Chicago, IL 60633, United States
(800) 638-7661
kscott@kloECKNERmetals.com
October 18, 2022

Material Certifications for Shipment

Bl Num: 80336666

Customer

KloECKNER Metals Corp - IND
8301 E 33rd Street
Indianapolis, IN 46226

Ship To

KloECKNER Metals Corp - IND
8301 E 33rd St
Indianapolis, IN 46226-6502

Orders

Order No	GA Ord	Width	Length	Description/Part Number	Grade
21845398-4		96.000	240.000	Wide Floor Plate 1/4	ASTM A786

Cust PO: 7783182

Heat: 9436J5

Mill ID: HQQ1825

Vendor: ALGOMA STEEL INC

Certification # 6278621

Issue Date: 21-SEP-22

Carbon Equivalent: .40

Chemical Properties										
C	Mn	P	S	Si	Al	Cr	Cu	Mo	Nb	Ni
.21	1.01	.011	.005	.04	.028	.05	.03	.01	.0000	.02
Ti	V									
.001	.042									

Physical Properties		
Property	YIELD	TENSILE
Mill Test		
Internal Test Head		
Internal Test Middle		
Internal Test Tail		

Charpy Properties					
Property	CHARPY SAMPLE	IMPACT FT-LBS1	IMPACT FT-LBS2	IMPACT FT-LBS3	AVG FT-LBS
Value					
Internal Test Head					
Internal Test Middle					
Internal Test Tail					

TAG 6939635

We certify that the listed information is correct as contained in the records of the company and that all results meet the requirements of the specification cited above. All ASME Section II Part A specifications are 2021 Edition. All Charpy tests are at -20 F unless otherwise indicated.

