

0607P3



ESSAR STEEL ALGOMA INC., 105 West Street, Sault Ste. Marie, Ontario, Canada P6A 7B4

SO No., Item & Date: 8004268 000010 2012/10/25	Shipment No. & Date: 1000012836 2012/10/28	TC No., Date & Time: ESA-21625 2012/10/29 - 13:13:37
Sold to Customer Name and Address: CANADIAN PLATE AND PROFILES IN KAMATO ROAD 920 MISSISSAUGA, Ontario, Canada L4W 2R6	Ship to Customer Name and Address: CANADIAN PLATE AND PROFILES IN KAMATO ROAD 920 MISSISSAUGA, Ontario, Canada L4W 2R6	Customer PO NO./Item: 18602-STK / 1 BOL NO.: 1000012836 Cust. Part No.: Carrier: TRIPLE K TRANSPORT LTD - 15097(272)
Customer Specification: HR STEEL PLATE Carbon Multi Cert ASTM A516 GR 70 (10) / ASME SA516 GR 70 (11A) Meets NACE MR 0103 latest Ed., NACE MR 0175 latest Ed., BHN < 200, Calcium Treated for Sulphide Stress Cracking Control Normalized Temp 1670 °F 30 min per in CVNL Req. 15 / 12 FT-LBF at -50.0 F Side Thicknesses Top and Bottom Standard Surface Finish Supplementary Instructions: Test Cert 1:dralling@canadianplate.com Test Cert 2: 905-206-1370		
Insp T/R: Test Report As Per Spec		
FSSAR STEEL ALGOMA 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 STANDARD RECORD KEEPING PRACTICES THIS MILL TEST REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF ESSAR STEEL ALGOMA INC IF YOU RECEIVE THIS DOCUMENT AND ARE NOT THE INTENDED RECEIVER, PLEASE CALL (705)945-4055 FOR INSTRUCTIONS ON METHOD OF DISPOSAL OF DOCUMENT		
MEETS EN 10204:2004 TYPE 3.1 ISO QUALITY AND ENVIRONMENTAL CERTIFICATES AVAILABLE AT WWW.ESSARSTEELALGOMA.COM		
ALL HEATS FULLY KILLED. HEATS INDICATED WITH (*) FINE GRAINED HEATS INDICATED WITH (+) MADE IN CANADA WITH DOMESTIC AND NORTH AMERICAN MATERIALS		
Dimensions (T x W x L) 2.2500" x 120.000" x 288.00"	Batch No. AB0261	Heat No.-MS 0607P3-04
Quantity 22,053 LB	Pcs 1	
Heat No. (wt%) 0607P3	C 0.19 Mn 1.07 P 0.012 S 0.002 Si 0.340 Cu 0.03 Ni 0.15 Nb 0.005 Al 0.026 Mo 0.000 V 0.015 Ti 0.002	Chemical Properties MECHANICAL PROPERTIES
Hardness Tests Batch No. 0607P3	SRCE LAB GAUGE COND LOC MTHD 166° ALG 2.2500 NORM B HBW	HARDNESS
Impact Tests Batch No. 0607P3	SRCE LAB GAUGE COND METH DIR LOC SIZE TEMP(°F) ENERGY AVG(ft-lbf)	78

K. UGHADPAGA
MANAGER METALLURGICAL SERVICES

WARNING THE TEST RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (1) THE PARTICULAR STEEL FOR WHICH THE 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 INDICATED. THE RESULTS ON VALUES REPORTED HEREIN CAN NOT BE USED TO DULIFY THE STEEL FOR ANY SPECIFICATION OTHER THAN THE ONE INDICATED AND CAN NOT BE RELIED UPON FOR ANY PURPOSE (INCLUDING DESIGN OR CALCULATION) AS REPRESENTING THE ACTUAL STRENGTH OF SUCH STEEL.

3/1/20



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Supplementary Instructions: Test Cert 1: dralling@canadianplate.com Test Cert 2: 905-208-1370												
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***** MECHANICAL PROPERTIES *****												
Tensile Tests												
Heat No.	Batch No.	SRCE	LAB	GAUGE	COND	METH	DIR	LOC	YIELD(KSI)	TENSILE(KSI)	EL SCALE	ELONG(%)
0607P3	AB0261	166	ALG	2.2500	NORM	2	T	B	51	74	2"	33

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