

**C8091**

**COPY**

ARCELORMITTAL PLATE LLC

**TEST CERTIFICATE**

PAGE NO: 01 OF 02  
 FILE NO: 0284-01-32  
 MILL ORDER NO: 22236-001  
 MELT NO: C8091  
 SLAB NO: 5  
 DATE: 10/17/13

01-C

**PLATE DIMENSIONS / DESCRIPTION**

**MATERIAL CONFORMS TO NACE MR0175**

TOTAL QTY	GAUGE	WIDTH	LENGTH	DESCRIPTION	PIECE WEIGHT
1	3.25"	96"	360"	RECTANGLE	31854#

**BHN 153 to 159**

**CUSTOMER INFORMATION**

CUSTOMER PO: 96676

PART NO. 29

Certified true to original  
 AMPT

*Dout 07/13*

**SPECIFICATION(S)**

THIS MATERIAL HAS BEEN MANUFACTURED AND TESTED IN ACCORDANCE WITH PURCHASE ORDER REQUIREMENTS AND SPECIFICATION(S).

- ASME SA516 REV ED YR 10 GR 70 11A
- ASME SA516 REV ED YR 10 GR 65 11A
- ASME SA516 REV ED YR 10 GR 60 11A
- ASTM A516 10 GR. 70
- ASTM A516 10 GR. 65
- ASTM A516 10 GR. 60

THE MANAGEMENT SYSTEMS FOR MANUFACTURE OF THIS PRODUCT ARE CERTIFIED TO ISO 9001:2008 (CERTIFICATE NO. 30130) AND ISO 14001 (CERTIFICATE NO. 009496).

**CHEMICAL COMPOSITION**

MELT	C	MN	P	S	CU	SI	NI	CR	MO
MELT:C8091	.23	.95	.012	.006	.22	.22	.09	.07	.02
MELT	V	TI	B	AL	CB				
MELT:C8091	.001	.002	.0001	.032	.001				

**HEAT TREAT CONDITION**

MATL OR TEST	HEAT TREAT DESCRIPTION	NOM TEMP	HOLD MINS	COOL MTHD
PL/TEST	NORMALIZE	1650F	79	AIR COOL

**TENSILE PROPERTIES**

SLAB NO.	LOC	DIR	YIELD STRENGTH PSI X 100	TENSILE STRENGTH PSI X 100	ELONGATION GAGE LGTH &
5	BOT.	TRANS.	426	778	2.00" 27.0

WE HEREBY CERTIFY THE ABOVE INFORMATION IS CORRECT:

ARCELORMITTAL PLATE LLC  
 QUALITY ASSURANCE LABORATORY  
 139 MODENA ROAD  
 COATESVILLE, PA 19320

*Elinore Zaplitny*  
 SUPERVISOR - TEST REPORTING  
 ELINORE ZAPLITNY

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CHARPY V-NOTCH IMPACT RESULTS

SLAB	LOC	DIR	TEMP	SIZE	FT. LBS.
5	BOT.	LONG.	-20F	FULL	26 29 33

GENERAL INFORMATION

ALL STEEL HAS BEEN MELTED AND MANUFACTURED IN THE U.S.A.  
 TEST CERTS. ARE PREPARED IN ACCORD. WITH PROCEDURES  
 OUTLINED IN EN 10204:2004 TYPE 3.1.  
 MANUFACTURE OF MERCURY COMPOUNDS ARE NOT USED IN THE  
 ACID SOLUBLE ALUMINUM  
 FOR MORE INFORMATION AND PROCESSING GUIDELINES, REFER TO  
 WWW.ARCELORMITTAL.COM/PLATEINFORMATION  
 B/L #34000 ATM 164058

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 COATESVILLE, PA 19320

*Elmore Zaplatny*  
 SUPERVISOR - TEST REPORTING  
 ELINORE ZAPLATNY