

Test Certificate

WARNING: This product can expose you to chemicals including nickel and nickel compounds, which are known to the State of California to cause cancer. For more information go to <u>www.P65Warnings.ca.gov</u>.

12400 Highway 43 North, Axis, Alabama 36505, US

Customer							·									FO	rm TC1	: Revisi	on 4:	Date	6 Feb	2019
	•					Cu	stomer F	P.O.No	. :M1691 C	AT		M	ill Ord	er No.	41-51	037	8-11	Shi	ipping	g Ma	nifest:	AR252630
SWEDISH STEEL AB MEXICO, S.A. DE C.V. BATALLON SAN PATRICIO 109 LOCAL 403 VALLE OTE SAN PEDRO GARZA GARCIA						oduct Description: HARDOX 450 ABRASION RESISTANT STEEL PLATE									С	ert Date	Date: 30 Oct 17 Cert No: 081630720 Date: 30 Oct17 (Page 1 of 1) 1)			of 1)		
															Heat Treat Type: QUENCHED							
NL 66269						Siz			38 X 7318	5 (MM)												
Tested Pieces:						Tensiles:										Impact Tests						
Heat Id	Piece Id	Piece Dimensi	ons	Tst Loc	YS (MPA)	UTS (MPA		Elon 50 (mm)	200 Dir				Energy 3 A				hear 3 Avg	j Ts Tm		īst Dir	Tst Siz (mm)	BDWTT Tmp %Shr
E7J038	D03	19.25 (DIS	CRT)	L					/	454 HB												
W7J539	D18	19.28 (DIS	CRT)	L						450 HB	W											
Heat			_	-					Chemical A	-			_			_						
ld E7J038	C 19	Mn 1.36	<u>Р</u> .012	S		Tot Al 057 .	Sol Al 055 .1 ⁻	<u>Cu</u> 1 [(Ni Cr	.02	.013	V .008		.005		B 16	N .0026	Ca .0015	<u>IIW</u> .46			ORG
N7J539	.19		.010				059 .1		07 .16	.02	.013	.008	.015	.000		18			.48			US
THE F							ATERIAI															
MATER PRODU E7J W7J E7J	-MAIL ADD IAL MARKE: CTS SHIPP: 038 D03 539 D18 038 D03 038 D03	D BELOW	R MEX WITH 5 P 4 P 6 P	ICO IM	IPORT I	PURPOS LIS P SS: SS: SS:	ES IS N	MEXIC D FRO 50 50 50	O.CERTIF M COIL	ICATES E7J038 W7J539 E7J038 E7J038	D03 D18 D03	5704 5704 5704	4174 4123 4125 4127	PCE PCE PCE	S: S:	1, 1,	KGS: KGS: KGS: KGS:	267 267	23.50 23.50 23.50 23.50 23.50			