



MACEROSFORJADOS DE IZCALLI S.A. DE C.V.

Calle : Amapola mz 2 Num.Int11 Colonia Ejido el scorro C.P. : 5474
 CUAUTITLAN IZCALLI EDO MEXICO
 TEL 5870-5003 Y 5870 8406 NEXTEL : 3538-5524 Email: mary.barrera@macerosforjados.com.mx E-mail: macerosforjados@hotmail.com

CERTIFICADO DE CALIDAD		CERTIFICADO NO. 185	
		FECHA: 29-jun-12	
CLIENTE	PLESA ANAHUAC Y CIAS S.A. DE C.V.	No. DE ORDEN DE COMPRA	13308
		REF	138

ESPECIFICACIONES	PROCESO
A 105N - ASTM A 105N - 03/ ASME SA105N/NACE-MR-01-75/09	FORGED/ROLLED 1150-1200 GRADES CELSIUS

NORMAS Y GRADOS	TRATAMIENTO TERMICO
ASME BOILER AND PRESSURE VESSEL SECC II, CODE PART A, EDITION 2010	NORMALIZED 900 GRADES CELSIUS AND ALLOWED TO COOL IN STILL AIR

PARTIDA	CANTIDAD	DESCRIPCION DEL PRODUCTO	NORMAS APLICABLES	MEDIDA	COLADA
09	25	BRIDA AC S.O 150 LBS RF. DE	ASTM A-105-09 ASME SA-105-10 ASME B16.5 NACE MR-0175-09 ASME-SA-105-10 FULLY KILLED	3/4"	IHK
10	50	BRIDA AC S.O 150 LBS RF. DE		4"	9561
11	5	BRIDA AC S.O 300 LBS RF. DE		3"	9713
12	10	BRIDA AC S.O 300 LBS RF. DE		4"	20136
13	10	BRIDA AC S.W 150 LBS RF. STD DE		1"	HHW
14	20	BRIDA AC W.N 150 LBS RF. STDDE		1-1/2"	561
15	10	BRIDA AC W.N 150 LBS RF. STDDE		1/2"	GYR
16	20	BRIDA AC S.W 150 LBS RF. STD DE		1-1/2"	JCC

COLADA	RUPTURA (P.S.I.)	CEDECENCIA (P.S.I.)	ELONGACION 2%	REDUCCION DE AREA %	DUREZA HB
IHK	85254	43564	26	39	85
9561	85254	43564	26	39	85
9713	82475	44622	31	59	84
20136	72	50	29	33	177
HHW	82475	44622	31	59	84
561	82475	44622	31	59	84
GYR	82475	44622	31	59	84
JCC	82475	44622	31	59	84

COLADA	C	MN	SI	P	S	CR	NI	MO	CU	SN	AL	NB	V	TI	CO	AS	SB	HPPM	NPPM	CEQ	CR+M O	1)	
IHK	0.31	0.81	0.21	0.006	0.001	0.06	0.07	0.020	0.19			0.001	0.001										0.35
9561	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	0.001										0.38
9313	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	0.001										0.38
20136	0.17	0.68	0.18	0.013	0.001	0.08	0.01	0.035	0.15			0.001	1.001										0.28
HHW	0.31	0.81	0.21	0.006	0.001	0.06	0.07	0.020	0.19			0.001	2.001										0.35
561	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	3.001										0.38
GYR	0.17	0.68	0.18	0.013	1.001	0.08	0.01	0.035	0.15			0.001	4.001										0.28
JCC	0.31	0.87	0.25	0.006	2.001	0.05	0.08	0.021	0.23			0.001	5.001										0.38

NOTA 1) CR+NI+MO+CU

MATERIAL CALMADO GRANO FINO TRATADO CON CALCIO Y DESGASIFICADO AL YACIO ULTIMA EDICION

PNMG

ELABORO

See ENTREGADO

CC-01 REV1.0

APROBADO