



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

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CERTIFICADO DE CALIDAD		CERTIFICADO No.		184	
		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 I 150-1200 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
01	5	BRIDA AC CIEGA 150LBS RFDE	ASTM A-105-09 ASME SA-105-10 ASME B16.5 NACE MR-0175-09 ASME-SA-105-10 FULLY KILLED	10"	9550
02	30	BRIDA AC CIEGA 150LBS RFDE		2"	8936
03	20	BRIDA AC CIEGA 150LBS RFDE		3"	3904
04	10	BRIDA AC ROSCADA 150 LBS RF. DE		1-1/2"	JCC
05	27	BRIDA AC ROSCADA 150 LBS RF. DE		4"	3124
06	3	BRIDA AC ROSCADA 150 LBS RF. DE		4"	5012
07	3	BRIDA AC S.O 150 LBS RF. DE		18"	3026
08	10	BRIDA AC S.O 150 LBS RF. DE		2-1/2"	3648

COLADA	RUPTURA (P.S.I.)	CEDECENCIA (P.S.I.)	ELONGACION 2%	REDUCCION DE AREA %	DUREZA HB
9550	86552	48258	28	50	162
8936	85254	43564	26	39	85
3904	82475	44622	31	59	84
JCC	82475	44622	31	59	84
3124	85254	43564	26	39	85
5012	86552	48258	28	50	88
3026	85254	43564	26	39	85
3648	85254	43564	26	39	85

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)
9550	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	0.001									0.38
8936	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	0.001									0.38
3904	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	0.001									0.38
JCC	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	1.001									0.38
3124	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	2.001									0.38
5012	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	3.001									0.38
3026	0.31	0.87	0.25	0.006	0.001	0.05	0.08	0.021	0.23			0.001	4.001									0.38
3648	0.30	0.85	0.22	0.004	0.001	0.08	0.10	0.022	0.21			0.001	5.001									0.41

NOTA 1) CR+NI+MO+CU

MATERIAL CALMADO GRANO FINO TRATADO CON CALCIO Y DEBARRIFADO AL VACIO ULTIMA EDICION

PNMG
 ELABORO


 APROBADO

CC-01 REV1.0