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**MILL CERTIFICATE / PRODUCTION CERTIFICATE
 MANUFACTURER'S CERTIFICATE**

(Mill Test Certificate) DIN 50049-3.1-B / EN 10204-3.1

Purchaser	: PLESA ANAHUAC Y CIAS., SA DE C.V.	Certificate No	: 120670
Product	: CARBON STEEL FITTINGS	Order No	: PO. 13745
Specification	: ASTM A-234 WPB – 2011A	Date	: AUGUST 11, 2012
	: ASME SA234 WPB	L/C No	: M928369

Raw Material Standard	Inspection Standard	Visual Inspection	Dimensional Inspection
PIPE : ASTM A106 B/ A53B / API5LB PLATE : ASTM A516 Gr 50 / 60	ANSI B16.9 ANSI B16.28	PASS	PASS

Product & Size (inch)	Heat ID.	Quantity	Heat NO.	Raw Material Maker
PTU-MXPMS-12-0403AB (PO.260)				
1 90 ELBOW LR STD 1"	25331	14	208-97	2554-331
2 90 ELBOW LR STD 1"	26331	20	208-97	2554-331
3 90 ELBOW LR STD 1"	19331	1	208-97	2554-331
4 90 ELBOW LR STD 1"	24331	15	208-97	2554-331
5 90 ELBOW LR STD 1"	472	50	566472	41-059900/001/2634
6 90 ELBOW LR STD 1 1/4"	25333	28	208-97	2554-333
7 90 ELBOW LR STD 1 1/4"	24333	2	208-97	2554-333
8 90 ELBOW LR STD 1 1/4"	293	20	564293	41-059900/001/2634
9 90 ELBOW LR STD 2"	28801	500	718067	2554-801
10 90 ELBOW LR STD 5"	28812	39	11-711	2554-812
11 90 ELBOW LR STD 5"	27812	10	11-711	2554-812

Standard	Chemical Composition %												Mechanical Test			Average Hardness	CE Long Formula
	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Al	YS	TS	E		
	x 100	x 100	x 100	x 10000	x 1000	x 100	x 100	x 100	x 100	x 100	x 1000	x 1000	psi	psi	%	Hb	x 100
Min.	-	10	29	-	-	-	-	-	-	-	-	-	35,000	60,000	30	-	-
Max.	30	-	106	48	58	40	40	40	15	8	-	50	-	85,000	-	197	42
1	19	21	49	8	6	14	5	5	-	-	-	-	46100	66800	34	169	30
2	19	21	49	8	6	14	5	5	-	-	-	-	46100	66800	34	169	30
3	19	21	49	8	6	14	5	5	-	-	-	-	46100	66800	34	169	30
4	19	21	49	8	6	14	5	5	-	-	-	-	46100	66800	34	169	30
5	14	16	76	7	1	11	6	4	2	1	-	-	54000	72000	46	169	29
6	19	21	49	8	6	14	5	5	-	-	-	-	45700	67100	34	125	30
7	19	21	49	8	6	14	5	5	-	-	-	-	45700	67100	34	125	30
8	13	16	76	10	1	11	7	8	2	1	-	-	48000	69000	50	157	29
9	21	24	49	6	12	9	3	4	-	-	-	-	45700	66800	35	135	31
10	18	25	51	18	15	6	9	7	-	-	-	-	46800	70000	36	165	39
11	18	25	51	18	15	6	9	7	-	-	-	-	46800	70000	36	165	39

- We hereby certify that the products described herein have been manufactured, inspected and conforms to standard as specified above.
- ALL FITTINGS ARE HEAT TREATED TO MEET NACE MR0175-03 STANDARD SPECIFICATION AT 650-680 C x 1.0 HR.
- CE = C + (Mn/6) + (Cr + Mo + V)/5 + (Ni+Cu)/15
- ALL TEES ARE TESTED BY MAGNETIC PARTICLE EXAMINATION (MT)

Chief of Quality Assurance Dept