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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	: 120678
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
1 90 ELBOW LR XH80 10"	24041	4	166006	2554-041
2 45 ELBOW LR SCH80 12"	28161	9	1-61430	2554-161
3 90 ELBOW SR SCH80 2"	28802	30	923574	2554-802
4 90 ELBOW SR XH 4"	28811	100	11-701	2554-811
5 TEE XH 2 1/2"	28477	10	210-248	2554-477
6 TEE XH 3"	24681	27	11-101208	2554-681
7 TEE XH 3"	27681	3	11-101208	2554-681
8 TEE XH 10"	28317	5	0844607	2554-317
9 RED TEE XH 2"x1"	28556	10	1121186	2554-556
10 RED TEE XH 10"x8"	28317	5	0844607	2554-317
11 RED TEE XH 10"x6"	28317	5	0844607	2554-317

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 1000	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	20	24	53	1	8	8	3	7	-	-	-	-	38200	69600	31	142	31
2	15	26	78	17	14	<1	1	3	<1	2	-	-	49500	71200	40	145	30
3	20	23	44	16	23	4	2	3	-	-	-	-	45000	67100	33	158	38
4	19	23	47	15	17	8	9	6	-	-	-	-	48200	70400	35	157	39
5	18	19	47	5	9	7	2	5	-	-	-	-	46400	67900	31	141	38
6	20	22	51	14	3	1	1	1	<1	<1	-	-	47900	72900	30	170	29
7	20	22	51	14	3	1	1	1	<1	<1	-	-	47900	72900	30	170	29
8	20	23	50	12	10	10	4	4	-	-	-	-	45400	67900	33	166	36
9	21	22	41	10	4	6	2	4	1	<1	1	2	47850	71775	36	156	39
10	20	23	50	12	10	10	4	4	-	-	-	-	45400	67900	33	166	36
11	20	23	50	12	10	10	4	4	-	-	-	-	45400	67900	33	166	36

- 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 850-680 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