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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	: 120675
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 CON RED STD 8"x4"	27942	13	1037205	2554-942
2 CON RED STD 8"x4"	28942	7	1037205	2554-942
3 CON RED STD 10"x6"	27605	15	1130716	2554-605
4 CON RED STD 14"x12"	2849A	5	1031434	2554-49A
5 CON RED STD 16"x12"	24861	3	208-15	2554-861
6 CON RED STD 18"x16"	28871	5	710A-36	2554-871
7 CON RED STD 18"x14"	28871	5	710A-36	2554-871
8 CON RED STD 18"x12"	28871	1	710A-36	2554-871
9 CON RED STD 18"x12"	24871	2	710A-36	2554-871
10 CON RED STD 18"x10"	28871	3	710A-36	2554-871
11 CON RED STD 18"x10"	738	1	996738	00/05468

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	x	x	x	x	x	x	x	x	x	x	x	x	psi	psi	%	Hb
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	22	42	5	2	3	2	2	1	<1	1	2	49300	68200	47	101	37
2	19	22	42	5	2	3	2	2	1	<1	1	2	49300	68200	47	101	37
3	24	25	88	12	8	8	3	7	1	<1	1	3	57300	81200	44	147	41
4	17	40	95	15	3	8	2	3	1	1	1	3	53700	76900	40	150	36
5	19	21	52	14	10	14	6	6	-	-	-	-	46400	67900	34	172	30
6	18	25	50	8	6	11	5	5	<1	<1	-	-	48200	69300	34	171	28
7	18	25	50	8	6	11	5	5	<1	<1	-	-	48200	69300	34	171	28
8	18	25	50	8	6	11	5	5	<1	<1	-	-	48200	69300	34	171	28
9	18	25	50	8	6	11	5	5	<1	<1	-	-	48200	69300	34	171	28
10	18	25	50	8	6	11	5	5	<1	<1	-	-	48200	69300	34	171	28
11	11	34	84	11	2	12	9	10	0	3	-	-	46300	60200	40	171	35

- 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