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MANUFACTURER'S CERTIFICATE

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

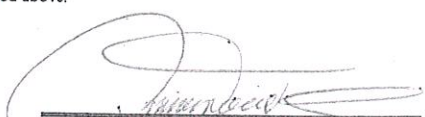
Purchaser	: PLESA ANAHUAC Y CIAS, SA DE C.V.	Certificate No	: 140033
Product	: CARBON STEEL FITTINGS	Order No	: PO. 17201
Specification	: ASTM A-234 WPB – 2011A	Date	: JANUARY 6, 2014
	: ASME SA234 WPB	L/C No	: M930449

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 SCH40 6"	41884	205	11-1-1478	2554-884
2 90 ELBOW LR STD 14"	41315	40	0844607	2554-315
3 90 ELBOW LR STD 16"	41318	20	0844607	2554-318
4 45 ELBOW LR STD 16"	41318	10	0844607	2554-318
5 90 ELBOW SR SCH40 2"	39801	50	718067	2554-801
6 90 ELBOW SR SCH40 8"	41282	35	709A-106	2554-282
7 TEE SCH40 1"	41691	50	575812	2554-691
8 TEE SCH40 3"	41901	200	031101652	2554-901
9 TEE SCH40 4"	41913	200	D08-1-3425	2554-913
10 TEE SCH40 6"	41931	23	11102288	2554-931
11 TEE SCH40 6"	39931	127	11102288	2554-931

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	18	21	44	10	12	10	8	4	-	-	-	-	47500	70700	36	156	27
2	20	23	50	12	10	10	4	4	-	-	-	-	45700	67900	33	132	36
3	20	23	50	12	10	10	4	4	-	-	-	-	45700	67500	33	140	36
4	20	23	50	12	10	10	4	4	-	-	-	-	45700	67500	33	140	36
5	21	24	49	6	12	9	3	4	-	-	-	-	45700	66800	35	135	31
6	20	26	59	11	8	10	3	3	<1	<1	-	-	58000	83400	37	175	31
7	19	21	39	12	17	3	2	3	-	-	-	-	39300	67500	31	165	37
8	21	23	54	9	9	2	1	2	<1	<1	-	-	38900	67500	30	130	31
9	20	22	56	15	12	2	1	4	<1	<1	-	-	46400	66800	36	170	30
10	20	22	51	13	6	6	2	3	1	1	-	-	46400	67100	35	140	30
11	20	22	51	13	6	6	2	3	1	1	-	-	46400	67100	35	140	30

- 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