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MANUFACTURER'S CERTIFICATE

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

Purchaser	: PLESA ANAHUAC Y CIAS S.A. DE C.V.	Certificate No	: 120959
Product	: Seamless Steel Butt Welding Fittings	Order No	:
Specification	: ASTM A-234 WPB – 2011A	Date	: AUGUST 6,2012
	: ASME SA234 WPB	L/C No	:

Raw Material Standard	Inspection Standard	Visual Inspection		Dimension Inspection
PLATE : ASTM A516 Gr 50/60	ANSI B16.28	PASS		PASS
Product & Size (inch)	Heat ID.	Quantity	Heat NO.	Raw Material Maker
1 CAP XH 3"	23953	1	488953	545370

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	TRANSVERSE		
Max.	30	-	106	48	58	40	40	40	15	8	-	50	-	85,000	17	197	42
1	15	37	91	21	14	-	-	-	-	-	-	-	46900	69000	24	158	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