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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	: 140425
Product	: SEAMLESS STEEL WELDING FITTING	Order No	: PO. 18796
Specification	: ASTM A-234 WPB – 2011A	Date	: JULY 28, 2014
	: ASME SA234 WPB	L/C No	: T/T

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	Net Wts KG
1 90 ELBOW LR SCH80 12"	48161	16	1-61430	2554-161	1515.20
2 RED TEE STD 6"x3"	39931	45	11102288	2554-931	504.00
3 ECC RED SCH40 12"x6"	39512	20	1031436	2554-512	114.30

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 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	15	26	78	17	14	<1	1	3	<1	2	-	-	49500	71200	40	145	30	
2	20	22	51	13	6	6	2	3	1	1	-	-	46400	67100	35	140	30	
3	14	37	96	18	3	5	2	3	1	1	1	4	47900	63800	48	140	33	
COUNTRY OF EXPORT : THAILAND COUNTRY OF ORIGIN : THAILAND																		

• 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 650-660 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