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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	: 140527
Product	: SEAMLESS STEEL WELDING FITTING	Order No	: PTU-MXPLESA-14-1022AC
Specification	: ASTM A-234 WPB – 2011A	Date	: NOVEMBER 3, 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 RED TEE STD 16"x14"	49861	4	208-15	2554-861	360.80
2 RED TEE STD 18"x14"	49871	5	710A-36	2554-871	572.00
3 CON RED STD 12"x10"	49497	20	1031436	2554-497	324.00
4 RED TEE SCH80 2"x1"	49556	30	1121186	2554-556	44.70

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	psi	psi	%		
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	21	52	14	10	14	6	6	-	-	-	-	46400	67900	34	172	30
2	18	25	50	8	6	11	5	5	<1	<1	-	-	48200	69300	34	171	28
3	14	37	96	18	3	5	2	3	1	1	1	4	47900	63800	48	140	33
4	21	22	41	10	4	6	2	4	1	<1	1	2	47850	71775	36	156	39

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 650-680 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