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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	: 150126
Product	: SEAMLESS STEEL WELDING FITTING	Order No	: PO. 21141
Specification	: ASTM A-234 WPB - 2014	Date	: JUNE 8, 2015
	: ASME SA234 WPB 2013 ED.	L/C No	: T/T
	: NACE MR-01-75 2009 /NACE MR-01-03 2012 ED.		

Raw Material Standard	Inspection Standard	Visual Inspection	Dimensional Inspection
PIPE : ASTM A106 B/ A53B / API5LB PLATE : ASTM A516 Gr 50 / 60	ANSI B16.9 - 2012 ANSI B16.28	PASS	PASS

Product & Size (inch)	Heat ID.	Quantity	Heat NO.	Raw Material Maker	Net Wts KG
1 CON RED STD 18"x14"	55871	10	710A-36	2554-871	378.00
2 CON RED STD 20"x18"	55872	3	710A-38	2554-872	193.50
3 90 ELBOW LR SCH80 2"	51802	200	923574	2554-802	180.00
4 90 ELBOW LR SCH80 3"	55806	150	824162	2554-806	411.00
5 90 ELBOW LR XXS 4"	55368	5	11-101368	JCCJ - 00044211-9	51.00

Standard	Chemical Composition %												Mechanical Test			Average Hardness	CE Long Formula	Magnetic Particle Test
	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	Test
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	25	50	8	6	11	5	5	<1	<1	-	-	48200	69300	34	171	28.4	N/A
2	19	22	50	10	7	11	5	5	<1	<1	-	-	45700	69600	40	142	29.4	N/A
3	20	23	44	16	23	4	2	3	-	-	-	-	45000	67100	33	158	28.3	N/A
4	18	19	51	15	8	3	2	3	-	-	-	-	48200	70400	36	155	27.4	N/A
5	17	18	78	2	14	-	1	2	-	-	-	-	46410	68800	33/32	171	30.5	N/A
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/5) + (Cr + Mo + V)/5 + (Ni+Cu)/15
- ALL TEES ARE TESTED BY MAGNETIC PARTICLE EXAMINATION (MT)


 Chief of Quality Assurance Dept