



Conexiones S.A.

PURCHASER :
 ORDER NO. : RK1220
 SPEC. FOR RAW MATERIAL : ASTM A106 Gr. B, ASTM A234 Gr. WPB
 SPEC. FOR INSPECTION : ASTM A234 - 13e1 WPB
 ASME SA234 - 2013 WPB
 ASME B16.9-2012 / ASME B16.25-2012
 BS EN 10204 3.1-2004

TEL :
 FAX :
 JOB NO. : PH1404031
 CERTIFICATE NO. : Q140730031-16
 DATE : JUL. 30, 2014

PO Item No.	Product & Size(Inch)		Heat Code		Quantity	Heat No.	Raw Material Mfg	Certificate No.									
73	52	RED. CON 16 x 14	STD	826	10	325826	TIANJIN	12120717									
74	23	RED. ECC 1-1/2 x 1	STD	557	20	323557	BAOSHAN	BGSAG1212260001800									
75	24	RED. ECC 2 x 1	STD	00V	135	1215300V	HENGYANG	C201334286-1									
76	25	RED. ECC 12 x 8	STD	82V	20	1431982V	HENGYANG	C201416186-1									
77	25	RED. ECC 12 x 8	STD	372	20	390372	TIANJIN	09072818									
Spe.	Chemical Composition %												Tension Test			HARDNESS TEST	Magnetic Particle Exam.
	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	CE	Yield Strength	Tensile Strength	Elongation		
	X100	X100	X100	X1000	X1000	X100	X100	X100	X100	X1000	X1000	X100	P.S.I	P.S.I	%	HBW	
MIN		10	29										35000	60000	30		
MAX	25		106	50	58	40	40	40	15	80	20	42		95000		197	
73	17	22	96	17	2	6	3	5	1	<10	<10	35	42340	64815	35	129	GOOD
74	19	26	52	5	4	3	2	4	2	<10	<1	29	50170	70760	38	127	GOOD
75	14	23	82	12	2	4	2	5	2	3	1	30	48720	74675	35	119	GOOD
76	15	23	87	8	8	15	4	8	1	2	1	33	42340	65540	38	143	GOOD
77	19	24	96	14	6	11	4	5	1	<10	5	37	45965	65395	39	141	GOOD
		Visual Examination				Dimensional Inspection				Heat Treatment							
		Acceptable				Good				S.R 700°C x 0.5H							


$$CE = C + Mn/6 + (Cr + Mo + V) / 5 + (Ni + Cu) / 15$$

MATERIAL CONFORMS TO NACE MR0175 - 2009

We hereby certify that the products described here in have been manufactured and tested in accordance with specifications and also the purchaser's requirements concerned.

NOTE

1. THE QUALITY MANGEMENT SYSTEM OF ISO 9001-2008 AND PED 97/23/EC, ANNEX I SEC. 4.3 HAVE BEEN APPROVED BY LRQA
2. ANOTHER PED 97/23/EC, ANNEX I SEC. 4.3 TUV-NORD 0045


 Quality Assurance Section/ Manager