

CO-WORKING DEVELOPING CO., LTD

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MILL TEST CERTIFICATE (COPY)

Certificate No: CWK-0730-15

Purchaser: GRUPO COMERCIALIZADOR DE MONTERREY S.A. DE C.V.

Material According To ASTM A234 WPB

ORIGIN COUNTRY: CHINA

Dimensions According to ASME B 16.9

PRODUCT				SPECIFICATION FOR MATERIAL															SPECIFICATION FOR MATERIAL			
				Material Conforms to the latest revision of NACE MR0175 (LAST EDITION)															Visual Examination	Dimensional Inspection		
ACCESORIOS DE ACERO PARA TUBERIA				CHEMICAL PROPERTIES(%)												MECHANICAL PROPERTIES			HARDNESS			
HEAT NO.	DESCRIPTION	QTY	MEASURE UNIT	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	Nb	C.E.	TS	YS	E.L.				(Max)
				(Max)	(Min)		(Max)	(Max)	(Max)	(Max)	(Max)	(Max)	(Max)	(Max)	(Max)	(Mpa)	(Mpa)	(%)	(Max)			
ACCESORIOS DE ACERO PARA TUBERIA				0.30	0.10	0.29-1.06	0.05	0.058	0.4	0.4	0.4	0.15	0.08	0.02	0.5	415-655	≥240	22-30	197			
838961	ELBOW 45° STD L.R. 18"	10	pcs	0.20	0.23	0.52	0.016	0.007	0.02	0.01	0.07	0.05	0.04	0.005	0.31	485	320	26	145	OK	OK	
838952	ELBOW 45° STD L.R. 30"	5	pcs	0.19	0.23	0.64	0.004	0.007	0.02	0.01	0.07	0.05	0.04	0.007	0.31	470	320	26	154	OK	OK	
838945	ELBOW 90° STD L.R. 18"	7	pcs	0.20	0.24	0.52	0.016	0.007	0.02	0.02	0.05	0.06	0.05	0.005	0.35	470	320	27	167	OK	OK	
838923	ELBOW 90° STD L.R. 20"	40	pcs	0.20	0.23	0.71	0.016	0.007	0.02	0.01	0.07	0.05	0.04	0.005	0.31	485	320	26	145	OK	OK	
838966	ELBOW 90° STD L.R. 30"	15	pcs	0.20	0.24	0.52	0.016	0.007	0.02	0.02	0.05	0.06	0.05	0.005	0.35	470	320	27	167	OK	OK	
838928	ELBOW 90° STD L.R. 36"	13	pcs	0.19	0.23	0.52	0.003	0.007	0.02	0.01	0.05	0.06	0.04	0.005	0.31	470	320	26	145	OK	OK	
838974	ELBOW 90° XS L.R. 36"	3	pcs	0.20	0.23	0.52	0.016	0.007	0.02	0.01	0.07	0.005	0.004	0.005	0.31	470	320	32	145	OK	OK	
829678	CON RED STD 18" X 12"	5	pcs	0.20	0.23	0.52	0.016	0.007	0.02	0.01	0.07	0.005	0.004	0.005	0.31	470	320	32	145	OK	OK	
829695	CON RED STD 24" X 14"	3	pcs	0.20	0.23	0.52	0.016	0.004	0.03	0.01	0.07	0.06	0.05	0.005	0.31	470	350	26	154	OK	OK	
829664	CON RED STD 36" X 30"	3	pcs	0.19	0.23	0.48	0.021	0.007	0.02	0.02	0.07	0.05	0.06	0.007	0.35	465	320	24	145	OK	OK	
896053	CAP STD 36"	2	pcs	0.20	0.23	0.52	0.016	0.007	0.02	0.01	0.07	0.005	0.004	0.005	0.31	470	320	32	145	OK	OK	
887455	TEE STD 30"	2	pcs	0.19	0.23	0.52	0.016	0.007	0.02	0.01	0.07	0.005	0.004	0.005	0.31	470	320	32	145	OK	OK	
887456	TEE STD 36"	2	pcs	0.20	0.23	0.58	0.017	0.005	0.02	0.01	0.06	0.005	0.004	0.005	0.31	470	320	28	145	OK	OK	
TOTAL		110																				

We hereby certify that the product described herein has been manufactured in accordance with the specifications concerned and also with the purchaser's requirements and that the test results shown herein are correct

