



MATERIAL TEST REPORT - QUALITY MANAGEMENT SYSTEM

FORZA STEEL - PRODUCTION FACILITY:

Carretera Salinas Victoria K.m. 2 s/n Salinas Victoria, Nuevo León , México C.P. 65500 Tel: +52 (51) 1958-3780

Packing List	0	Cod (Code):	FPD-PR-01-06
		Edition (Edición):	0
		Date of Rev (Fecha Rev) :	27 Nov 2018
		Page (Hoja):	1/2

CUSTOMER (Cliente)					PURCHASE ORDER (Orden de Compra)			DELIVERY (Remisión)			DATE (Fecha)		REFERENCE NUMBER (No. Referencia)	
PLESA ANAHUAC Y CIAS., S.A DE C.V.					28260			5036597			07/05/2019		26042019-3920	
PIPE TYPE PRODUCT (Tipo de producto)	FORZA WORK ORDER (OIF)	SIZE (Diámetro)	WALL THICKNESS (Espesor)	HEAT (No. Colada)	SPECIFICATI ON (Especificació n Norma)	GRADE (Grado)	LENGTH (Longitud)		MASS (Peso Unitario)		MASS PER METER (Peso Lineal kg x metros)	HYDROSTATIC TEST (Prueba Hidrostatica (psi))	SPECIAL REQUIREMENTS (Requerimientos especiales)	TUBE NUMBER (No. Piezas)
							Metros	Pies	Lbs	Kg				
HSS	OIF 3015	6x4	0.188	P93884	ASTM A500	B	12.20	40.03	485.70	220.31	18.07	N/A	N/A	25
HSS	OIF 3015	6x4	0.188	P93888	ASTM A500	B	12.20	40.03	485.70	220.31	18.07	N/A	N/A	36
HSS	OIF 3015	6x4	0.188	P93890	ASTM A500	B	12.20	40.03	485.70	220.31	18.07	N/A	N/A	2
HSS	OIF 555	6x4	0.188	4812123	ASTM A500	B	12.20	40.03	485.70	220.31	18.07	N/A	N/A	1
HSS	OIF 898	6x4	0.188	1712788	ASTM A500	B	12.20	40.03	485.70	220.31	18.07	N/A	N/A	1
HSS	OIF 898	6x4	0.188	1722196	ASTM A500	B	12.20	40.03	485.70	220.31	18.07	N/A	N/A	1
HSS	OIF 986	6x4	0.188	18114414	ASTM A500	B	12.20	40.03	485.70	220.31	18.07	N/A	N/A	6

Tube (Lotes) 898-53-35,986-24-32,3015-15-5,3015-34-14,3015-14-36,3015-31-18,3015-15-2,3015-34-21,3015-30-34,3015-30-37,3015-30-41,3015-34-31,3015-34-30,3015-34-33,3015-34-15,3015-34-23,3015-15-1,3015-31-14,3015-27-31,3015-34-34,3015-34-37,3015-15-3,3015-34-7,3015-30-33,3015-30-39,3015-27-30,3015-30-40,3015-15-6,3015-27-26,3015-27-34,3015-31-13,986-24-36,986-24-35,3015-27-33,3015-31-17,986-24-38,3015-27-32,986-24-33,3015-27-27,3015-15-4,3015-30-35,986-24-34,3015-31-16,898-16-20,3015-34-25,3015-34-27,3015-34-8,3015-33-40,3015-34-17,3015-34-29,3015-34-38,3015-34-22,3015-34-24,3015-32-40,3015-34-35,3015-34-18,3015-34-26,3015-34-13,3015-30-38,3015-34-12,3015-34-11,3015-27-28,3015-34-1,3015-30-32,3015-14-37,3015-15-7,3015-31-11,3015-31-12,3015-31-15,555-50-39,3015-27-29,3015-31-10

Chemical Analyses (Análisis Químico)											Mechanical Test (Pruebas mecánicas)		
Heat (Colada)	C	Si	Mn	P	S	V	Cr	Cu	Ni	Mo	Yield Strength (KSI) (Límite elástico)	Tensile Strength (KSI) (Última tensión)	Elongation (%) (Elongación)
P93884	0.141	0.0064	0.448	0.0087	0.0012	0.0005	0.016	0.011	0.0018	0.002	62.50	82.90	37
P93888	0.143	0.004	0.452	0.0096	0.0018	0.0005	0.017	0.011	0.002	0.001	61.40	81.20	38
P93890	0.123	0.011	0.448	0.0094	0.0015	0.0005	0.016	0.011	0.0015	0.0033	56.60	79.90	38
4812123	0.153	0.169	0.296	0.032	0.006	0.0034	0.024	0.012	0.01	0.0075	63.70	73.10	27
1712788	0.103	0.0015	0.831	0.024	0.0032	0.0057	0.0026	0.00051	0.017	0.012	56.50	70.30	34
1722196	0.106	0.0018	0.837	0.022	0.0032	0.0059	0.005	0.0005	0.023	0.011	54.10	67.80	34
18114414	0.181	0.089	0.911	0.010	0.001	0.0057	0.026	0.0031	0.033	0.0035	59.00	70.50	36

Forza Steel certifica que los productos descritos en este documento fueron fabricados en cumplimiento con los requerimientos de la especificacion descrita, obteniendo resultados satisfactorios en todas sus pruebas e inspecciones incluidas en los planes de calidad de forza steel para cumplir con los requerimientos del pedido en referencia.

Forza steel certifies that the products described in this document were manufactured in compliance with the requirements of the specification described, obtaining satisfactory results in all tests and inspections included in the quality plans of Forza Steel to meet the requirements of the order in reference.

Certify By (Autorizó)

Edgar Olivo
Ing. Edgar Eduardo Olivo Hernández
QUALITY ASSURANCE MANAGER



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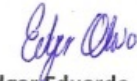
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