

EA-105198

38044-2



VILLACERO

MILL TEST REPORT

PRODUCT: 1" C80 ASTM A-53-A / NMX B-177
FINISHING: TUBO BARNIZADO EXTREMO LISO

CUSTOMER: BODEGA PYLSA

SHIPPING DATE: 27/01/17

SPORT PLATAFORM:

INVOICE: 1745 T
 ORDER: NA

TRANSPORT/TRANSPORTE: LOGISTICA DE TRANSPORTES PJH

MANUFACTURER/ PLANTA: LAMINA Y PLACA COMERCIAL S.A DE C.V.
 DIEGO DIAZ DE BERLANGA, NO. 1002 SUR
 SAN NICOLAS DE LOS GARZA, NUEVO LEÓN, MEXICO

I HEREBY CERTIFY THAT THE PRODUCT ACCOMPLISHED WITH THE SPECIFICATION TO THE INVOICE AND/ OR REMISSION (DATABASE OF SYSTEM).

ESTE PRODUCTO FUE FABRICADO BAJO LA NORMA QUE SE DESCRIBE HACIENDO CUMPLIR LOS REQUERIMIENTOS DE LA ESPECIFICACION (BASE DE DATOS DEL SISTEMA).

PROCESS: BFW

MANUFACTURING INFORMATION/ INFORMACION DE MANUFACTURA							DIMENSIONS (DIMENSIONES)		
DATE	SHIFT	OPER	ORDER OP #	GRADE	MANUFACT PROCESS	HEAT TREATMENT	OUTSIDE DIAMETER (In)	Thickness (In)	LENGTH (Mts)
14/03/16	1	COM.	17	A	E	N/A	1.315"	0.179"	5.40

ONLINE TESTS (PRUEBAS DE CAMPO)									
HEAT NUMBER (COLADA)	HYDROSTATIC TEST (PSI)	DELIVERY CONDITION	TIME (Sec.)	NON-DESTRUCTIVE TEST (PND)	METALLOGRAPHY TEST	BENDING TEST	FLATTENING TEST	VISUAL INSPECTION	
455134	857	AS ROLLED	5	OK	N/A	N/A	OK	OK	

HEAT NUMBER (COLADA)	%C	%Mn	%P	%S	%Si	%Cr	%Mo	%Ni	%Cu
455134	0.0860	0.3920	0.0110	0.0120	0.0100	0.0000	0.0000	0.0300	0.0000
%Nb	%Sn	%Ti	%V	YIELD ST (PSI)	UT (PSI)	% ELONG	HARDNESS (HRB)	CARBON EQUIVALENT %	
0.0010	0.0000	0.0010	0.0010	47800	58600	22.500	80	N/A	

CHARPY TEST (PRUEBA CHARPY)					
HEAT IDENT NUM	ABSORBED ENERGY (FT-LB)			AVERAGE	TEMPERATURE TEST °C
	1	2	3		
455134	N/A	N/A	N/A	N/A	N/A

NOTE: THE SUM OF THE NIOBIUM, VANADIUM AND TITANIUM CONCENTRATIONS SHALL BE \leq 0.15%
 NOTA: LA SUMA DE LA CONCENTRACION DE NIOBIO, VANADIO Y TITANIO NO DEBE SER \leq 0.15%

I HAVE PERSONAL KNOWLEDGE AS TO ACCURACY OF THE ABOVE INFORMATION, AND HAVE AUTHORITY TO SIGN ON BEHALF OF THE COMPANY.

TENGO EL CONOCIMIENTO Y AUTORIZACION EN NOMBRE DE LA COMPAÑIA PARA AVALAR ESTA INFORMACION.

SINCERELY

ING. DAVID ANGEL MOLINA PEREZ
 QUALITY ASSURANCE MANAGER