

DISTRIBUIDOR
Vendido a:
Pedido:

FERRETERIA Y REP. INT., S.A. DE C.V.
PLESA ANAHUAC Y CIAS, S.A. DE C.V.
OC-28687

Folio: **14 082**
Cert. No. **PF-SW-WN-129082-13553**
Date: **23/07/2019**

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION				
					TENSILE Mpa 485 min.	YIELD Mpa 250 min.	ELONG 2 in. %	R/Area 30 min. %	HARDNESS HB 137 - 187
1	10	S.W. 1" 600# R.F. SCH-160	ASTM A-105-18	RZ194301	489	267	33	36	180
2	10	S.W. 2" 600# R.F. SCH-80	SA-105N	RZ125402	521	289	33	39	179
3	30	W.N. 3" 150# R.F. SCH-160	ASME BPVC. SECC. II PARTE "A" ED. 2017	Z51489	508	264	32	31	180
4	20	W.N. 4" 150# R.F. SCH-80	ASME/ANSI B16.5 (2017)	F12131	489	267	36	30	155
5	9	W.N. 8" 600# R.F. SCH-80	NACE MR-0175-15/ ISO 15156-2 (2014)	RZ408	507	294	37	31	179
6	1	W.N. 8" 600# R.F. SCH-80		RZ378408	507	303	32	34	179
7	6	W.N. 10" 600# R.F. SCH-80		0 1019	500	268	34	39	167
8	2	W.N. 10" 600# R.F. SCH-80		RZ174410	502	303	35	30	176
9	2	W.N. 10" 600# R.F. SCH-80		RZ183910	493	264	30	35	176
10	3	W.N. 12" 600# R.F. SCH-80		T0732	500	260	32	38	165

CHEMICAL COMPOSITION

ITEM	HEAT No.	C 0.35 max.	Mn .60 - 1.05	P .035 max.	S .040 max.	Si .10 - .35	Cu .40 max	Ni .40 max.	Cr .30 max.	Mo .12 max.	V .08 max.	CE .47 max.
1	RZ194301	0.209	0.680	0.007	0.018	0.230	0.019	0.056	0.072	0.016	0.022	0.001
2	RZ125402	0.212	0.759	0.024	0.017	0.184	0.159	0.033	0.079	0.019	0.017	0.001
3	Z51489	0.215	0.619	0.011	0.023	0.186	0.190	0.041	0.014	0.034	0.010	1.001
4	F12131	0.213	0.712	0.014	0.019	0.201	0.066	0.039	0.012	0.025	0.010	2.001
5	RZ408	0.215	0.764	0.025	0.017	0.203	0.186	0.044	0.076	0.023	0.017	3.001
6	RZ378408	0.219	0.816	0.012	0.015	0.207	0.196	0.053	0.054	0.015	0.012	4.001
7	0 1019	0.200	0.990	0.008	0.010	0.230	0.011	0.050	0.030	0.006	0.002	5.001
8	RZ174410	0.228	0.619	0.016	0.018	0.182	0.195	0.031	0.043	0.016	0.012	6.001
9	RZ183910	0.220	0.609	0.011	0.016	0.207	0.207	0.028	0.054	0.020	0.009	7.001
10	T0732	0.210	0.840	0.012	0.011	0.220	0.021	0.028	0.023	0.005	0.002	8.001

La reproducción parcial ó total de este documento es delito según el artículo 213 de la Ley de la Propiedad Industrial

^A The sum of cooper, nickel chromium, molybdenum and vanadium shall not exceed 1.00 %

^B The sum of chromium and molybdenum shall not exceed 0.32 %

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

NOTE: FORGET ROLLED 1150°C - 1200°C

NORMALIZED 900°C AND ALLOWED TO COOL IN STILL AIR.

QUALITY ASSURANCE CONTROL DEPARTMENT

Amos

FERRERIA Y REPRESENTACIONES INTERNACIONALES, S.A. DE C.V.
R.F.C. FRI030203E55