



PETRO FLANGE

LAVISA, S.A. DE C.V.

ORDEN

PART. No.

DISTRIBUIDOR

REFERENCIA

Vendido a:

LAVISA, S.A. DE C.V.

Pedido: P1045803

Folio:	4426
Cert. No.	PF-WN-1216-1266
Date.	09/01/2012

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION				
					TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNES HB
1	100	S.O. 2" 150# R.F.	ASTM A-105-09 ASME SA-105-10 ASME B16.5/03 NACE MR-0175-05 ISO 15156	2611	499	281	23	38	167
2	50	S.O. 6" 150# R.F.		9605	492	274	26	32	161
3	60	W.N. 2" 150# R.F. SCH-40		749	532	274	26	31	175
4	35	W.N. 2-1/2" 150# R.F. SCH-40		07K00121	512	275	31	34	178
5	10	BLD 6" 150# R.F.		3055	496	274	30	31	161

CHEMICAL COMPOSITION

ITEM	HEAT. No.	C	Mn	P	S	Si	Cu ^A	Ni ^A	Cr ^{AB}	Mo ^{AB}	V ^A	Nb	CE
1	2611	0.242	0.782	0.015	0.024	0.199	0.187	0.013	0.087	0.023	0.001	-	0.21
2	9605	0.196	0.754	0.015	0.022	0.184	0.134	0.028	0.050	0.002	0.001	-	0.18
3	749	0.210	0.790	0.013	0.010	0.170	0.254	0.020	0.050	0.056	0.005	-	0.21
4	07K00121	0.196	0.754	0.015	0.022	0.184	0.134	0.028	0.050	0.002	0.001	-	0.18
5	3055	0.174	0.834	0.007	0.015	0.241	0.382	0.231	0.199	0.012	0.019	-	0.25

^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%

$$CE = \frac{C + Mn}{6} + \frac{Cr + Mo + V}{5} + \frac{Ni + Cu}{15}$$

NOTE: FORGED ROLLED 1150°C -1200°C

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

QUALITY ASSURANCE CONTROL DEPARTMENT

ENTREGADO

JCR

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