EA - 111280 ·

PETROFLANGE

DISTRIBUIDOR INDUSTRIAS IBERO STEEL, S.A. DE C.V.

Folio: 12 268
Cert. No. PF-WN-12268-11768
Date. 26/09/2018

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION TENSILE Mpa 485 min.	YIELD Mpa 250 min.	ELONG 30 min. %	R/Area 2 in. %	HARDNESS HB 137 - 187
1	3	BLD. 24" 150 R.F.	ASTM A-105N-14 SA-105 ASME SECC. II PARTE "A" ED. 2015 ASME/ANSI B16.5 (2017) NACE MR-0175-15/ ISO 15156 (2015)	T0479	506	264	33	41	166

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	T0479	0.210	0.850	0.014	0.013	0.220	0.018	0.026	0.025	0.003	0.002	0.001	0.36

QUALITY ASSURANCE CONTROL DEPARTAMENT

[A] The sum of cooper, nickel, chromium, molybdenum and vanadium shall not exceed 1.07 %
[B] The sum of chromium and molybdenum shall not exceed 0.32 %

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

NOTE: FORGED ROLLED 1150°C - 1200°C
NORMALIZED 900°C AND ALLOWED TO COOL IN STILL AIR.