



BOTH-WELL STEEL FITTINGS CO., LTD.

NO.303, RENXIN ROAD, RENWU DISTRICT, KAOHSIUNG CITY, TAIWAN, R.O.C. (814020)

TEL : (886)7-3711536, 3710497, 3720260 FAX : (886)7-371-3864, 3713882

WEB SITE : <http://www.bothwell.com.tw> E-Mail : box@bothwell.com.tw

An ISO 9001 : 2015 Registered Manufacturer

MILL TEST & INSPECTION CERTIFICATE

ACCORDING TO EN 10204 3.1

CERT NO : 221340

INVOICE NO : 5200019850

PAGE : 38

ORDER NO : 304558

L/C NO :

DATE : 06/06/2022

ORIGIN : TAIWAN

ITEM	RAW HEAT NO HEAT NO	QTY	DESC/GRADE OR SPECIFICATION NO CHEMICAL COMPOSITION % MECHANICAL PROPERTIES.
30	95ND106 HN1293	812 PCS	HALF CPLG F304L 2" 3000# NPT 2-----TF5TGAC C: 0.020 Si: 0.43 Mn: 1.84 P: 0.037 S: 0.030 Cu: 0.44 Cr: 18.10 N: 8.21 N 0.088 TS (KSI): 90.4 YS 0.2% KSI: 42.0 EL (%): 64.0 R.A (%): 75.0 HARDNESS 1 (HBW): 176 HARDNESS 2 (HBW): 179

REMARK :

THE MATERIAL SUPPLIED IDENTIFIED AS ASTM A182 - 21, ASME SA182-2021ED, F304/F304L

THE FITTING SUPPLIED IDENTIFIED AS ASME B16.11 - 2016

THE PRODUCT SUPPLIED WAS INSPECTED IN ACCORDANCE WITH SPECIFICATION SURFACE & DIM. : GOOD

STANDARD : CHEMICAL COMPOSITION % & MECHANICAL PROPERTIES.

	C	Si	Mn	P	S	Cu	Cr	N	Mo	V	Cb(Nb)
MIN	-	-	-	-	-	-	18.0	8.0	-	-	-
MAX	0.030	1.00	2.00	0.045	0.030	-	20.0	11.0	-	-	-
	N	Al	Ti	Zr	CE	TS (KSI)	YS (KSI)	YS 0.2% KSI	EL (%)	R of A (%)	HARDNESS (HBW)
MIN	-	-	-	-	-	75	-	30	30	50	-
MAX	0.10	-	-	-	-	-	-	-	-	-	235

HEAT TREATMENT : SOLUTION 1060°C(1940°F) WQ

CONFORMS TO NACE MR0175-15/ISO 15156-15/MR0103-15/ISO 17945-15

FREE FROM RADIATION CONTAMINATION AND MERCURY FREE

CONFORMS TO ASTM A262 PRACTICE E SPECIFICATION

WE CERTIFY THE ABOVE MENTIONED FITTINGS HAVE BEEN MANUFACTURED, SAMPLED, TESTED, AND INSPECTED IN ACCORDANCE WITH THE SPECIFICATIONS SHOWN

Q.C. MANAGER

INSPECTOR