



BOTH-WELL STEEL FITTINGS CO., LTD.

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An ISO 9001 : 2015 Registered Manufacturer

MILL TEST & INSPECTION CERTIFICATE

ACCORDING TO EN 10204 3.1

INVOICE NO. : 5200021169
L/C NO. :

PAGE : 62
DATE : 06/06/2022
ORIGIN : TAIWAN

| ITEM | RAW HEAT NO. HEAT NO. | QTY | DESC/GRADE OR SPECIFICATION NO. CHEMICAL COMPOSITION(%) MECHANICAL PROPERTIES. |
|------|--------------------------|---------|--|
| 81 | 9SP0003 HN1362 | 999 PCS | HALF CPLG F304L 2" 3000# NPT 2-----TF5GTAC C:0.019 Si:0.46 Mn:1.81 P:0.037 S:0.025 Cu:0.29 Cr:18.25 Ni:8.26 N:0.089 TS(KSI):90.2 YS 0.2%(KSI):41.6 EL(%):59.5 R.A.(%):76.1 HARDNESS 1(HBW):180 HARDNESS 2(HBW):178 |

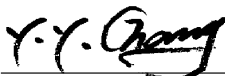
REMARK :

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 | Ni | 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 (1940) W.Q.
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