



TA CHEN STAINLESS PIPE CO., LTD.

Mill Test Report

TCPW42194

Commodity : STAINLESS STEEL WELDED PIPE

Customer : TA CHEN INTERNATIONAL, INC.

EN 10204-3.1

Specification : ASTM A312/A312M-2019 /ASTM A999-2018

Destination : CHICAGO

NO. 125 HSIN-TIEN 2ND ST.,
JENG-TEH, TAINAN, TAIWAN
TEL:(06)2793254 FAX:(06)270138

ASME SA312-2019/ASME BPVC.II.A-2019

COUNTRY ORIGIN:TAIWAN

Grade : TP304/304L

Customer O/N : L96985

Certificate No : VP0479001



Delivery Condition: ANNEALED AND PICKLED

Factory O/N : QA02V4185

Date : 2021/5/20

INVOICE No : QA02V/P0479



| Item No. | Case No. (Crate No.) | Heat No. | Size | Quantity (Pcs) | Weight (Kgs) | Chemical Composition in % | | | | | | | | | |
|----------|-------------------------|----------|------|-------------------|-----------------|---------------------------|--------|--------|--------|--------|--------|-------|----|--------|---|
| | | | | | | C | Si | Mn | P | S | Ni | Cr | Mo | N | |
| 01 | 006 | YU193055 | 10" | 2 | 0.035 | - | - | - | - | - | 8.00 | 18.00 | - | - | - |
| 02 | 001,002,003,004,005 | 1022438 | 12" | 10 | 0.0210 | 0.3500 | 0.9700 | 0.0340 | 0.0010 | 8.1000 | 18.020 | - | - | 0.0370 | - |
| 03 | 025 | 6G406 | 12" | 100 | 0.0210 | 0.5300 | 0.9300 | 0.0290 | 0.0010 | 8.0600 | 18.160 | - | - | 0.0510 | - |
| 04 | 024 | TS4BFA29 | 3/4" | 100 | 0.0250 | 0.4200 | 1.3800 | 0.0240 | 0.0020 | 8.0300 | 18.200 | - | - | 0.0550 | - |
| 05 | 022 | 1023235 | 1" | 50 | 0.0190 | 0.4200 | 0.9600 | 0.0340 | 0.0020 | 8.0600 | 18.280 | - | - | 0.0480 | - |
| Total | | | | 262 | | | | | | | | | | | |

| Item No. | Tensile Test (Gage Lth=50mm) | | | | Hardness Test HRB | Bend Test | Flattening Test | HT TEMP °F Quenching In Water | Dimension And Surface Condition | Hydrostatic Test PSI | Melt Source | Remarks |
|----------|-------------------------------|-------------------------------|----------------------------|-----------------|----------------------|--------------|--------------------|--|--|----------------------------|-------------|---|
| | 0.2% Yield Strength PSI | 1.0% Yield Strength PSI | Tensile Strength PSI | Elongation % | | | | | | | | |
| 01 | 38000 | - | 94000 | 50 | 82.00 | OK | OK | 1904 | OK | 350 | TAIWAN | 1. MERCURY FREE 2. EDDY CURRENT TEST : O.K. 3. ASTM A262 PRACTICE E : OK 4. NACE MR0175/ISO 15156-3-15 ANNEX A : OK 5. NACE MR0103-12 6. NO WELD REPAIR PERFORMED 7. ELECTRIC FUSION WELDED(EFW). |
| 02 | 43000 | - | 97000 | 51 | 85.00 | OK | OK | 1904 | OK | 400 | CHINA | |
| 03 | 33000 | - | 83000 | 70 | 86.00 | OK | OK | 1904 | OK | 2500 | TAIWAN | |
| 04 | 33000 | - | 85000 | 63 | 85.00 | OK | OK | 1904 | OK | 2400 | INDONES | |
| 05 | 46000 | - | 90000 | 41 | 82.00 | OK | OK | 1904 | OK | 2500 | CHINA | |
| Total | | | | | | | | | | | 262 | |

We hereby certify the above statement to be true and correct every detail
TA CHEN has established a QMS according to ISO 9001, which is certified by LRC(cert. no.10341442)

Manager of Inspection Section/George Yar