



檢驗證明書
MILL'S TEST CERTIFICATE
EN 10204/3.1

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|-----------------|--------------|
| Certificate No. | F161201014 |
| Date: | DEC 02, 2016 |

| Customer: SALCO IMPORTACIONES, SA DE CV | | Contract No. 300816 | | L/C No. | | 規格 | | ASTM A312-14 / ASME SA312-13 | | Page: 4 of 5 | |
|---|---|---------------------|---------------|-----------|---------|-----------|------|------------------------------|-------|--------------|--|
| Invoice No. FEX20162071 | | Item No. | | Type | | Heat No. | | Quantity | | Weight | |
| Description | | Size | | Type | | Heat No. | | QTY (M) | | Weight (KG) | |
| 29 | STAINLESS STEEL WELDED PIPE | 1/2" X SCH 40S | TP 316TP 316L | AGS070278 | 122.000 | 154.400 | 1060 | PICKLED | 18.00 | | |
| 30 | ADMI070571 | 3/4" X SCH 80S | TP 316TP 316L | ADM070571 | 122.000 | 263.800 | 1065 | PICKLED | 18.00 | | |
| 31 | TP304/304L, 316/316L, ANNEALED AND PICKLED, CUT IN THE LENGTH OF 6.1M, 6M AS INDICATED. | 1" X SCH 40S | TP 316TP 316L | AGK070026 | 61.000 | 152.400 | 1065 | PICKLED | 18.00 | | |
| 32 | | 1" X SCH 80S | TP 316TP 316L | ADV070232 | 122.000 | 387.800 | 1065 | PICKLED | 18.00 | | |
| 33 | | 1-1/4" X SCH 40S | TP 316TP 316L | AGJ070278 | 36.600 | 122.940 | 1070 | PICKLED | 18.00 | | |
| 34 | | 2" X SCH 80S | TP 316TP 316L | AGJ070277 | 61.000 | 443.700 | 1070 | PICKLED | 18.00 | | |
| 35 | | 3" X SCH 10S | TP 316TP 316L | AGS070105 | 183.000 | 1,128.900 | 1065 | PICKLED | 9.00 | | |
| 36 | | 3-1/2" X SCH 40S | TP 316TP 316L | ADJ070696 | 30.500 | 405.450 | 1070 | PICKLED | 14.00 | | |
| 37 | | 4" X SCH 40S | TP 316TP 316L | AGS070144 | 61.000 | 965.500 | 1070 | PICKLED | 13.00 | | |
| 38 | | 10" X SCH 40S | TP 316TP 316L | AGE070489 | 12.200 | 729.220 | 1070 | PICKLED | 9.00 | | |

| 化學成分 Chemical Composition (%) | | 機械試驗 Mechanical Test | | 硬度試驗 Hardness HRB | | 壓扁試驗 Flattening Test | | 彎曲試驗 Bend Test | | 接口試驗 Flaring Test | | | | | | | | |
|-------------------------------|----------|----------------------|------|-------------------|-------|----------------------|-------|----------------|----|-----------------------------------|--------------------------------------|------------------|--------------|------------------------|-------------------|----------|----------|----------|
| 項目 | Item No. | C | Mn | P | S | Cr | Ni | Mo | 其他 | 抗拉強度 Tensile (N/mm ²) | 降伏強度 0.2% Yield (N/mm ²) | 伸長率 % Elongation | Direction | Width of specimen (mm) | Gauge Length (mm) | No Crack | No Crack | No Crack |
| Min. | 0.035 | 1.000 | 2.00 | 0.045 | 0.030 | 16.00 | 10.00 | 2.00 | | 515.00 | 205.00 | 35.00 | L.T | | | | | |
| Max. | 0.016 | 0.460 | 1.21 | 0.038 | 0.002 | 16.96 | 10.14 | 2.02 | | 637.00 | 330.00 | 54.00 | Longitudinal | Full size | 50.00 | No Crack | No Crack | No Crack |
| 29 | 0.020 | 0.390 | 1.38 | 0.030 | 0.003 | 16.69 | 10.05 | 2.03 | | 647.00 | 346.00 | 52.00 | Longitudinal | Full size | 50.00 | GOOD | GOOD | GOOD |
| 30 | 0.018 | 0.520 | 1.16 | 0.029 | 0.001 | 16.60 | 10.10 | 2.05 | | 670.00 | 348.00 | 55.00 | Longitudinal | Full size | 50.00 | GOOD | GOOD | GOOD |
| 31 | 0.020 | 0.500 | 1.05 | 0.028 | 0.002 | 16.87 | 10.15 | 2.07 | | 650.00 | 345.00 | 54.00 | Longitudinal | Full size | 50.00 | GOOD | GOOD | GOOD |
| 32 | 0.016 | 0.480 | 1.19 | 0.026 | 0.001 | 16.60 | 10.10 | 2.11 | | 662.00 | 374.00 | 54.00 | Longitudinal | 19 | 50.00 | GOOD | GOOD | GOOD |
| 33 | 0.016 | 0.490 | 1.18 | 0.027 | 0.001 | 16.70 | 10.20 | 2.06 | | 670.00 | 361.00 | 54.00 | Longitudinal | 25 | 50.00 | GOOD | GOOD | GOOD |
| 34 | 0.015 | 0.490 | 1.23 | 0.036 | 0.002 | 16.66 | 10.02 | 2.02 | | 656.00 | 342.00 | 55.00 | Longitudinal | 25 | 50.00 | GOOD | GOOD | GOOD |
| 35 | 0.019 | 0.590 | 1.14 | 0.029 | 0.001 | 17.20 | 10.20 | 2.22 | | 657.00 | 334.00 | 56.00 | Longitudinal | 25 | 50.00 | GOOD | GOOD | GOOD |
| 36 | 0.019 | 0.570 | 1.19 | 0.030 | 0.001 | 16.80 | 10.20 | 2.08 | | 673.00 | 352.00 | 52.00 | Longitudinal | 25 | 50.00 | GOOD | GOOD | GOOD |
| 37 | 0.018 | 0.490 | 0.95 | 0.033 | 0.002 | 16.75 | 10.12 | 2.12 | | 669.00 | 362.00 | 55.00 | Transverse | 38 | 50.00 | GOOD | GOOD | GOOD |

APPROVED CERTIFICATES:

1. QMS according ISO 9001:2015, (TUV Cert No:01 100 126922)
2. EMS according ISO 14001:2004, (LR Cert No:0892007)
3. PED according 97/23/EC (TUV Cert No: 01 202 ROC/Q-060145)
4. Lab management system according ISO/IEC 17020:2012 (TAF Cert No:10001)
5. Lab management system according ISO/IEC 17025:2005 (TAF Cert No:2271)

Lai Yu Lin
QA Manager / Work Inspector