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OFFSHORE
STAINLESS SUPPLIES LTD.
 Supplier of 1.4003 and producers of specialist stainless and high nickel products

Report No. 019296 Our Ref. 095185 Date 20/08/15 Page 1 of 1
 Test No. oss001502 Customer PO No. 11311/DB Specification Cold drawn AISI 316L NACE MR0175 **TEST CERTIFICATE**
 Dispatch Note No. 050413

| Item | Quantity | Weight Kg | Part No. | Heat No. | Batch No. | Description |
|------|----------|-----------|----------|----------|-----------|---------------------------------|
| 002 | 0 | 99 | | 56141694 | F55823 | 1 1/2" x 1" flat bar & finished |
| | | Total | | | | |

A. HEAT TREATMENT SUPPLY CONDITION
 B. TEST PIECE TREATMENT CONDITION
 Solution annealed prior to cold drawing

MELTING PRACTICE

TEST COUPON SIZE

F10360
 1/4" NPT F/F/F Equal Tee 10K


Cagparo test report ST0008922 refers

| Tensile Tests | | | | Units | | | | Impact Tests | | | | Hardness |
|---------------|--------------------|-----------------------|------------------|----------------------------|---------|--------------|--------------|-------------------|----------|--|--|----------|
| Temp °C | 0.20% Proof Result | Maximum Stress Result | %Elong 4D Result | % Reduction of Area Result | Temp °C | ENERGY | SHEAR % | LATERAL EXPANSION | Hardness | | | |
| 20 | 570 | 690 | 40 | 68 | * | 1 2 3 MIN AV | 1 2 3 MIN AV | 1 2 3 MIN AV | 217 | | | |
| Co1 | 220 | 490 | 30 | 40 | | | | | HBW | | | |

Component Hardness

| Heat No. | C | Si | Mn | P | S | Cr | Mo | Ni | Cu | Co | N | Ti |
|----------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|
| 56141694 | 0.020 | 0.550 | 1.560 | 0.036 | 0.026 | 16.720 | 2.030 | 10.110 | 0.440 | 0.243 | 0.051 | 0.003 |

Material free from mercury contamination during manufacturing process.
 Material free from radioactivity and inspected during manufacture.
 In accordance with EN 10204 3.1

Signature  Position Commercial Manager

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL