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| Customer   | Delivery Address   |
|--|--|
| Flow Technology Ltd<br>Half House Lane<br>Hove Edge<br>Brighthelm<br>West Yorkshire<br>HD6 2PH | Flow Technology Ltd<br>Half House Lane<br>Hove Edge<br>Brighthelm<br>West Yorkshire<br>HD6 2PH |

|                          |                           |                             |                         |          |           |  |
|--------------------------|---------------------------|-----------------------------|-------------------------|----------|-----------|--|
| Report No. 026770        | Our Ref. 099170           | Date 23/06/16               | Page 1 of 1             |          |           |  |
| Test No. oss002430       | Customer PO No. 012494/DB | Specification AISI 316/316L | <b>TEST CERTIFICATE</b> |          |           |  |
| Despatch Note No. 054527 |                           | Cold Drawn & Linished       |                         |          |           |  |
| Item                     | Quantity                  | Weight Kg                   | Part No.                | Heat No. | Batch No. | Description                            |
| 001                      | 89                        | Total                       |                         | 56160480 | F58172    | 9 metres 1 1/2" x 1" Flat @ 3m Randoms |

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

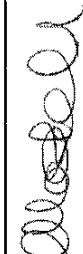
**MELTING PRACTICE**

Rotech report 155594 refers

| Tensile Tests |                       |                    |                          | Impact Tests               |                        |            |    |         |                   |                    |   |     |     |     |
|---------------|-----------------------|--------------------|--------------------------|----------------------------|------------------------|------------|----|---------|-------------------|--------------------|---|-----|-----|-----|
| Temp<br>oC    | 0.20% Proof<br>Result | Spec-Min<br>Result | Maximum Stress<br>Result | Units<br>N/mm <sup>2</sup> |                        | ENERGY     |    | SHEAR % | LATERAL EXPANSION | Hard-<br>ness      |   |     |     |     |
|               |                       |                    |                          | %Elong<br>4D               | % Reduction<br>of Area | Temp<br>oC | 1  |         |                   |                    | 2 | 3   | MIN | AV  |
| 20            | 565                   | 225                | 715                      | 490                        | 34.3                   | 30         | 68 | 40      | 1                 | 2                  | 3 | MIN | AV  | 227 |
|               |                       |                    |                          |                            |                        |            |    |         |                   | Component Hardness |   |     |     |     |
|               |                       |                    |                          |                            |                        |            |    |         |                   | HBW                |   |     |     |     |

|                      |       |       |       |       |       |        |       |        |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Heat No.<br>56160480 | C     | Si    | Mn    | P     | S     | Cr     | Mo    | Ni     | AL    | Cu    | Co    | N     | Ti    | Nb    |
|                      | 0.020 | 0.490 | 1.510 | 0.032 | 0.023 | 16.740 | 2.040 | 10.080 | 0.005 | 0.430 | 0.234 | 0.051 | 0.007 | 0.043 |

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

**F11417**  
**1/4" NPT F/F/F Equal Tee 10K**