

**Kingdom** FLOW CONTROL CO., LTD.

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Purchaser: G.C. Supplies UK Ltd.

Date: Apr. 27, 2016

C.No.DC20160329

**Mill Test Certificate**

|                                 |                          |   |                  |              |              |                                  |           |         |
|---------------------------------|--------------------------|---|------------------|--------------|--------------|----------------------------------|-----------|---------|
| Mfg No.                         |                          | Product & Size                                |                  |              |              | Manufacturing Spec.              |           |         |
| P/O F16-0095                    |                          | 150# Stainless Steel Pipe Fittings<br>1/8"~4" |                  |              |              | Investment Casting<br>(Lost Wax) |           |         |
| Quantity                        |                          | Specification of Materials                    |                  |              |              | Hardness                         |           |         |
| 58,627 pcs<br>(8,694.00 kgs)    |                          | CF8M  |                  |              |              | CF8M 165 HB                      |           |         |
| Dimensional Inspection          |                          | Specification of Threads                      |                  |              |              | Visual Examination               |           |         |
| ISO49-1994(E)                   |                          | NPT/BSP/BSPP                                  |                  |              |              | Good                             |           |         |
| Casting Material<br>Designation | Chemical Composition (%) |   |                  |              |              |                                  |           |         |
|                                 | C                        | Si  | Mn               | P            | S            | Ni                               | Cr        | Mo      |
|                                 | 0.08 Max                 | 1.50<br>Max                                   | 1.50<br>Max      | 0.040<br>Max | 0.040<br>Max | 9.0~12.0                         | 18.0~21.0 | 2.0~3.0 |
| CF8M                            | 0.0604                   | 1.21  | 0.882            | 0.0327       | 0.0065       | 9.49                             | 18.37     | 2.18    |
| Casting Material<br>Designation | Yield Strength           |   | Tensile Strength |              |              | Elongation                       |           |         |
| CF8M                            | 205 MPa Min              |   | 485 MPa Min      |              |              | 30.0 % Min                       |           |         |
|                                 | 368 MPa                  |   | 587 MPa          |              |              | 44.0%                            |           |         |

We hereby certify that product described therein has been manufactured in accordance with the specification concerned and also with the order contracts agreed by Seller and Buyer and that the test results shown herein are correct, and the product has passed QA inspection and is approved for release.

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