



# INSPECTION CERTIFICATE

CERTIFICATE NO : R21-625  
DATE ISSUED : 27/ 12 / 2021

## ARITA VALVE MFG (M) SDN BHD

Lot 414, Lorong Perusahaan 8C,  
Prai Industrial Estate,  
13600 Prai, Penang, Malaysia.  
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CUSTOMER : UNIMECH ENGINEERING (M) SDN BHD  
DELIVERY ORDER NO : DO-2112-0043

| No  | Job No.                | Article & Size   | Quantity | Specification for Inspection    |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|------------------------|--|----------|---------------------------------|--------|----------------------------|------------------------|--------|----------------|------------------|--|--|--|--|--|--|---|----|----|---|---|----|----|----|--------------|--|-----|--|--|--|--|--|------|-------|------|----------------|------------------|-----|--|--|--|--|--|-------|-------|------|--------|--|---------|------|------|------|------|------|--------|---------|--------|--|--|---|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|   |                        |  |          |                                 |        | Specification for Material | ASTM A-351 GR CF8M     |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1   | -                      | 1/2"ARITA SUS 316 Safety Valve S/E BSPT Without Lever, 150 PSI | 9 pcs    | Surface & Appearance Inspection | GOOD   |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |          | Dimension Inspection            | GOOD   |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th rowspan="2">Specification</th> <th colspan="10">Chemical Composition %</th> </tr> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Ni</th> <th>Cr</th> <th>Mo</th> <th colspan="2">Tension Test</th> </tr> </thead> <tbody> <tr> <td>Min</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.00</td> <td>18.00</td> <td>2.00</td> <td>Yield Strength</td> <td>Tensile Strength</td> </tr> <tr> <td>Max</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.00</td> <td>21.00</td> <td>3.00</td> <td colspan="2">P.S.I.</td> </tr> <tr> <td>Heat No</td> <td>0.08</td> <td>2.00</td> <td>1.50</td> <td>0.04</td> <td>0.04</td> <td>9.3715</td> <td>18.7690</td> <td>2.2271</td> <td colspan="2"></td> </tr> <tr> <td>1</td> <td>0.0523</td> <td>1.2290</td> <td>1.0338</td> <td>0.0353</td> <td>0.0069</td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> </tbody> </table> |                        |  |          |                                 |        | Specification              | Chemical Composition % |        |                |                  |  |  |  |  |  |  | C | Si | Mn | P | S | Ni | Cr | Mo | Tension Test |  | Min |  |  |  |  |  | 8.00 | 18.00 | 2.00 | Yield Strength | Tensile Strength | Max |  |  |  |  |  | 11.00 | 21.00 | 3.00 | P.S.I. |  | Heat No | 0.08 | 2.00 | 1.50 | 0.04 | 0.04 | 9.3715 | 18.7690 | 2.2271 |  |  | 1 | 0.0523 | 1.2290 | 1.0338 | 0.0353 | 0.0069 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Specification   | Chemical Composition % |  |          |                                 |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | C                      | Si   | Mn       | P                               | S      | Ni                         | Cr                     | Mo     | Tension Test   |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Min   |                        |  |          |                                 |        | 8.00                       | 18.00                  | 2.00   | Yield Strength | Tensile Strength |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Max   |                        |  |          |                                 |        | 11.00                      | 21.00                  | 3.00   | P.S.I.         |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Heat No   | 0.08                   | 2.00   | 1.50     | 0.04                            | 0.04   | 9.3715                     | 18.7690                | 2.2271 |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1   | 0.0523                 | 1.2290   | 1.0338   | 0.0353                          | 0.0069 |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |          |                                 |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |          |                                 |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |          |                                 |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |          |                                 |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |          |                                 |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |          |                                 |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |          |                                 |        |                            |                        |        |                |                  |  |  |  |  |  |  |   |    |    |   |   |    |    |    |              |  |     |  |  |  |  |  |      |       |      |                |                  |     |  |  |  |  |  |       |       |      |        |  |         |      |      |      |      |      |        |         |        |  |  |   |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE CONTRACT.

INSPECTOR :

MANAGER / DIRECTOR :

AUTHORISED SIGNATURE