## INSPECTION CERTIFICATE

| MESSRS                   | UNIMECH  | ENGINEERING    | (M) SDN. E  | BHD.           |            |          | Certificate No.<br>1020329222-011-01-01 |
|--------------------------|--|----------------|-------------|----------------|------------|----------|---|
| DELIVER To               |  |                |             |                |            |          | Date : 2020/07/21                       |
| JOB NAME                 |  |                |             |                |            |          |   |
| JOB No.                  |  |                |             |                |            |          |   |
| P.O.No.                  | AP0-2004   |                |             |                |            |          | KITZ                                    |
| PRODUCT CODE             | (TR)TK <z< td=""><td>0P02&gt;11/4</td><td></td><td></td><td></td><td></td></z<>          | 0P02>11/4      |             |                |            |          |   |
|                          | ON   |                |             |                | MAIN DADT  |          |   |
| SPECIFICATION  Manuf No. | UN<br>10203292   | 22_011         |             | 1              | MAIN PARTS | of parts | Material                                |
| Description              | TYPF 600   | FORGED BRAS    | SS BALL VAL | VE SCREWED     | 001 BODY   |          | C 3771 BE                               |
| 200011711011             | ENDS   | TOROLD BIOR    | JO BALL VAL | TVE GONEMED    | 001   0001 |          | O STIT BE                               |
| Figure                   | TK <z0p02< td=""><td>&gt;11/4</td><td></td><td></td><td></td><td></td><td></td></z0p02<> | >11/4          |             |                |            |          |   |
| Size                     | 11/4   |                |             | inch(B)        |            |          |   |
| Quantity                 | 16   |                |             |                |            |          |   |
| Valve No.                |  |                |             |                |            |          |   |
| Item No.                 | 13   |                |             |                |            |          |   |
| Kiki No.                 | -  |                |             |                |            |          |   |
| TEST                     |  |                |             |                |            |          |   |
| Pressure tes             |  |                |             | nd pressure    | Item       | Judge.   | Attached sheet                          |
| Shell                    | Good   | Hydro          | 6.18        | MPa            | Material   | Good     | Material Test Result                    |
|                          | Good   | Air            | 0.6         | MPa            | Dimension  | Good     |   |
| Seat                     |  | Hydro          | -           |                | Visual     | Good     |   |
|                          | Good   | Air            | 0.6         | MPa            | Operation  | Good     |   |
| Back seat                |  | Hydro          | -           |                |            |          |   |
|                          |  | Air            | -           |                |            |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            |          | I                                       |
| NONDESTRUCT              |  |                |             | Tara e e e     |            |          |   |
| Type of exam             | ination and  | judgement      |             | Attached she   | eet        |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            |          |   |
| DEMARKO                  |  |                |             |                |            |          |   |
| REMARKS                  | VE TECT DV !   | יי פי ווא מחער | ELL TECT !  | AS BEEN PERFOR | DMED       |          |   |
| VELVESENIAII             | יב וב∂ו שו h   | HURAULIC SF    | ELL IESI H  | AS DEEN PERFUR | /IVIED     |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            |          |   |
|                          |  |                |             |                |            | <i>p</i> |   |
|                          |  |                |             |                |            | 1/1/     | auate                                   |
|                          |  |                |             | _              |            |          | RPORATION                               |
|                          |  | Witnessed      | by          |                | r          |          | SI CINALION                             |

## MATERIAL TEST RESULT

| MESSRS  |   | UNIMECH ENGINEERING (M) SDN. BHD.          |                     |                 |                  |                         |       |                |           |                    |    |       |        | Certificate No.<br>1020329222-011-01-01-Z1 |            |       |     |    |  |  |
|---|---|--|---------------------|-----------------|------------------|-------------------------|-------|----------------|-----------|--------------------|----|-------|--------|--|------------|-------|-----|----|--|--|
| JOB NAME  |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            | 2020/ |     |    |  |  |
| JOB No.   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     | _  |  |  |
| P.O.No.<br>PRODUCT CODE                             |   | APO-2004-007<br>(TR)TK <z0p02>11/4</z0p02> |                     |                 |                  |                         |       |                |           |                    |    |       |        |  | K          | 17    |     |    |  |  |
| PK  | ODUC  | I C  | ODE                 | (IK)II          | \< <u>Z</u> UPUZ | 2>11/4                  |       |                |           |                    |    |       |        |  | $\dashv$   |       | •   |    |  |  |
| Fi  | nure  | Ъ  | ΓK∠7∩Pi             | n2>11/ <i>4</i> | l.               |                         |       |                |           |                    |    | \/al  | ve No  |  |            |       |     |    |  |  |
|   | Figure         TK <z0p02>11/4         Valve No.           Material         JIS         H 3250         C 3771         BE   Item No. 13</z0p02> |  |                     |                 |                  |                         |       |                |           |                    | 13 |       |        |  |            |       |     |    |  |  |
|   | Cha   | rge  | No.                 | 0 11 02         |                  | splay No. Name of Parts |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 1   | 270   | 219  | )                   |                 |                  |                         | BODY  |                |           |                    |    |       |        |  | į          |       |     |    |  |  |
| 2 3   |   |  |                     |                 |                  |                         |       |                |           |                    | !  |       |        |  |            |       |     |    |  |  |
|   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
|   |   |  |                     | <u>0SITI0</u>   | N %              |                         |       | 1              | <u> </u>  | <u> </u>           |    |       |        |  |            | 1     |     |    |  |  |
| 쁜   | emen<br>Sped  |  | Cu<br>57.0          | Pb<br>1.0       |                  |                         |       |                |           |                    |    |       |        |  | +          |       |     |    |  |  |
| Ľ   | ОРС   |  | 61.0                | 2.5             |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 1   |   |  | 59.0                | 1.8             |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 3   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 4   |   |  | - 0                 |                 |                  | -                       |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| ٣   | emen<br>Spe   |  | <u>Fe+Sn</u><br>Max |                 |                  | Zn                      |       |                |           |                    |    |       |        |  | +          |       |     |    |  |  |
| 1.0   |   |  | Remainder           |                 |                  |                         |       |                |           |                    | -  |       |        | _  |            |       |     | -  |  |  |
| 1<br>  2  |   |  | 0.3                 |                 |                  | REM.                    |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 3   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| TENDLON TEST  |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| TENSION TEST  Item                                  |   |  |                     |                 |                  |                         |       | Ī <sub>E</sub> | longation | T                  |    | IMPAC | T TEST | <br>                                       |            | 1     |     |    |  |  |
| Un  |   |  |                     |                 |                  |                         | /mm2  |                | %         |                    |    |       |        |  |            |       |     |    |  |  |
| Spec.   |   |  | Min<br>315          |                 | Min<br>15        |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 1   | $\rightarrow$   |  |                     |                 |                  |                         | 34    |                |           | 3<br>3             |    |       |        |  |            |       |     |    |  |  |
| 2   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 3 4   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| Ιt  | em  |  |                     |                 |                  | T                       |       |                |           |                    |    |       | ı      |  | Т          |       |     |    |  |  |
| Un  | i t   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| Sp  | ec.   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 1   | $\dashv$  |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 3   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 4   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| HE  | AT 1  | RE   | ATMEN               | T °C            |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| <u> </u>  | Spe   | С.   |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 1<br>2  |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 3   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| 4 N:Normalizing A:Annealing T:Tempering Q:Quenching |   |  |                     |                 |                  |                         |       |                |           |                    |    | ,     | AC:Air | Coolin                                     | <u> </u>   |       |     |    |  |  |
| WQ:Water Quenching OQ:0il Quenching                 |   |  |                     |                 |                  | WC:Water Cooling        |       |                |           | FC:Furnace Cooling |    |       |        |  |            |       |     |    |  |  |
| REMARKS  JIS G 0415 2.2                             |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
| JI  | SG  | 041  | 5 2.2               |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
|   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
|   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        |  |            |       |     |    |  |  |
|   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        | у.   | •          |       |     |    |  |  |
|   |   |  |                     |                 |                  |                         |       |                |           |                    |    |       |        | K.1  | Low        | unt   | 0   |    |  |  |
|   |   |  |                     |                 | R                | eviewe                  | ed by |                | -         |                    |    | -     | KiT    | ZCC  | <b>R</b> F | *OR   | ATI | ON |  |  |
|   | Reviewed by KiTZ COF  |  |                     |                 |                  |                         |       |                |           |                    |    | ⊂ Man | ager   | •  |            |       |     |    |  |  |