



| INSPECTION CERTIFICATE  |             |                         |         | CERT. TYPE  |                         | CMTR Nr.                      |        | SHEET   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
|---|-------------|-------------------------|---------|---|-------------------------|-------------------------------|--------|---|-----------|---------------------------|---|---|----------|------------------|--------|----------|---------|----|-----|---|----|
| <b>CUSTOMER :</b> JC FABRICA DE VALVULAS, S.A.  |             |                         |         | ISO 10474   |                         | 2300317/1                     |        | 1 / 1   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
|   |             |                         |         | 3.1   |                         | DATE                          |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
|   |             |                         |         | EN 10204  |                         | 20/03/2023                    |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
| <b>DESTINATION :</b> JC FABRICA DE VALVULAS, S.A.<br>AV. SEGLE XXI, 75 - POL. IND.<br>CAN CALDERON<br>08830 - SANT BOI DE LLOBREGAT (BARCELONA)                                 |             |                         |         | <b>ORDER No.:</b> JCB230101 Date: 23/01/2023  |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
|   |             |                         |         | <b>PROJECT No.:</b>   |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
|   |             |                         |         | <b>JOB No.:</b>   |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
| LIST OF SUPPLIED PRODUCTS   |             |                         |         |   |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
| LOT   | OME ITEM    | P.O. ITEM               | Q.TY    | Dimension   |                         | Drawing No.                   |        | Spec / Grade  | Heat No.  | Marking                   | Cond.   | Coat.   |          |                  |        |          |         |    |     |   |    |
| L001  | 10          | 2                       | 150 No. | 1.3/8 " 8 UN  |                         | ASME B18.2.2-T.1.1.1-11 Ed.22 |        | ASTM A 194 / A 194M GR.7M   | 1B0002309 | Material Grade Trade Mark | BO  | 503   |          |                  |        |          |         |    |     |   |    |
| L002  | 20          | 3                       | 150 No. | 1 " 8 UNC   |                         | ASME B18.2.2-T.1.1.1-11 Ed.22 |        | ASTM A 194 / A 194M GR.7M   | 14/70490  | Material Grade Trade Mark | BO  | 503   |          |                  |        |          |         |    |     |   |    |
| HEAT ANALYSIS   |             |                         |         |   |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
| LOT   | Heat No.    | C                       | Mn      | Si  | P                       | S                             | Cr     | Ni  | Mo        | V                         | Ti  | Cu  | W        | Al               | B      | Nb       | Co      |    |     |   |    |
|   |             | Zn                      | Pb      | Sn  | Be                      | O                             | N      | H   | Fe        | Nb+Ta                     | Cb  | Al+Ti   | Cb+Ta    | Se               | Bi     | Ca       | Mg      |    |     |   |    |
| L001  | 1B0002309   | 0,4000                  | 0,8420  | 0,1890  | 0,0100                  | 0,007                         | 0,9730 |   | 0,2170    |                           |   |   |          |                  |        |          |         |    |     |   |    |
| L002  | 14/70490    | 0,4000                  | 0,7800  | 0,2300  | 0,0150                  | 0,022                         | 1,0000 |   | 0,1900    |                           |   |   |          |                  |        |          |         |    |     |   |    |
| IMPACT TEST   |             |                         |         |   |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
| LOT   | SPECIMEN    |                         |         |   | MINIMUM REQUIRED VALUES |                               |        |   |           | OBTAINED VALUES           |   |   |          |                  |        |          |         |    |     |   |    |
|   | NO.         | IZOD                    | KV      | ISOV  | KCU                     | T °C                          | M.Unit | MIN.  | AVE.      | L.E.                      | ABSORBED ENERGY   |   |          | LATERAL EXP.     |        |          | SHEAR % |    |     |   |    |
| L001  |             | X                       |         |   |                         | -73                           | J      | 20  | 27        |                           | 39  | 46  | 42       | 42               |        |          |         |    |     |   |    |
| L002  |             | X                       |         |   |                         | -73                           | J      | 20  | 27        |                           | 41  | 39  | 38       | 39               |        |          |         |    |     |   |    |
| HARDNESS TEST   |             |                         |         |   |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
| LOT   | NO. OF TEST | REQUIRED VALUES         |         |   |                         |                               |        |   |           | OBTAINED VALUES           |   |   |          |                  |        |          |         |    |     |   |    |
|   |             | AFTER HEAT TREAT. x 24h |         |   |                         | ROOM TEMPERATURE              |        |   |           | AFTER HEAT TREAT. x 24h   |   |   |          | ROOM TEMPERATURE |        |          |         |    |     |   |    |
|   |             | HBW                     | HRBW    | T °C  | HARD. MIN               | HBW                           | HRBW   | HRC   | HV        | HARDNESS                  |   | CONTR.  | HARDNESS |                  | CONTR. | HARDNESS |         | PL | CPL |   |    |
|   |             |                         |         |   |                         |                               |        |   |           | MIN                       | MAX   | QTY   | MIN      | MAX              | QTY    | MIN      | MAX     | C  | NC  | C | NC |
| L001  |             | X                       | 590     | 84  | X                       |                               |        |   |           | 159                       | 235   | 1   | 90       |                  | 1      | 226      | 228     | X  |     |   |    |
| L001  |             |                         |         |   | X                       |                               |        |   |           | 159                       | 235   |   |          |                  | 100%   | 224      | 230     |    |     |   |    |
| L002  |             |                         |         |   | X                       |                               |        |   |           | 159                       | 235   |   |          |                  | 100%   | 219      | 226     |    |     |   |    |
| L002  |             | X                       | 590     | 84  | X                       |                               |        |   |           | 159                       | 235   | 1   | 89       |                  | 1      | 221      | 224     | X  |     |   |    |
| PL = Proof Load      CPL = Cone Proof Load      C = Conforming      NC = Not Conforming   |             |                         |         |   |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |
| Material Specification  |             |                         |         | Compliance  |                         |                               |        |   |           |                           |   | Coating   |          |                  |        |          |         |    |     |   |    |
| Generic Specification   |             |                         |         | VISUAL / DIMENSIONAL EXAMINATION : CONFORMING<br>MACROETCH EXAMINATION : CONFORMING<br>ASTM A194-22 Ed.<br>ASTM A194-7M MINIMUM TEMPERING TEMPERATURE : 620°C<br>DECARBURIZATION TEST: CONFORMING   |                         |                               |        |   |           |                           |   | 503 = Electro Zinc Plating acc. to ASTM B 633 SC2 Type V ( WHITE )<br><br>Condition<br>BO = QUENCHED AND TEMPERED |          |                  |        |          |         |    |     |   |    |
| <b>OME Metallurgia Erbes S.r.l.</b><br>Via Milano, 15<br>22036 ERBA (CO) Italy<br>Phone +39 031 641606 r.a. - Fax +39 031 645618<br>E-Mail: info.ome@ome.it - http://www.ome.it |             |                         |         | <b>Statement</b><br>ALL THE MATERIALS SUPPLIED HAVE BEEN MANUFACTURED, EXAMINED AND TESTED SATISFACTORILY IN FULLY CONFORMITY WITH PURCHASE ORDER REQUIREMENTS AND APPLICABLE STANDARDS / SPECIFICATIONS.<br><br>MATERIAL FREE FROM MERCURY OR RADIO-ACTIVITY CONTAMINATION<br>NO WELD REPAIR |                         |                               |        | Prepared<br> |           |                           | Approved<br> |   |          |                  |        |          |         |    |     |   |    |
| F B.2 - CMTR - 20   |             |                         |         |   |                         |                               |        |   |           |                           |   |   |          |                  |        |          |         |    |     |   |    |