

ÖSTERBERGS INDUSTRIHANDEL AB

**Inspection certificate 3.1**BOX 5240  
65005 KARLSTAD  
Swedenas per : EN 10204  
No. : 2022-2041322959-30-4110372-014  
Rev. 0 Page 1 of 1

|                          |  |    |                  |
|--------------------------|--|----|------------------|
| PO no.                   | 675685   | of | 10.10.2022       |
| Order no.                | 1041089955   |    |                  |
| Delivery note/pos./split | 2041322959/000000/000030   | of | 13.10.2022       |
| Product                  | covered electrode  |    |                  |
| Trade name               | <b>UTP 068 HH</b>  |    |                  |
| Standard designation     | EN ISO 14172 - E Ni 6082 (NiCr20Mn3Nb)<br>AWS A5.11: E NiCrFe-3 (mod.) |    |                  |
| Dimension                | 3,2 x 300 mm   |    | 261089           |
| Serial no.               | 4110372  |    | 63945            |
| Quantity                 | 4,2 KG   |    | 4N60820E<br>0045 |

**Chemical composition in % of the weld metal**

| C    | Si   | Mn   | P     | S     | Cr    | Mo   | Ni    | Cu   | Co    | Ti   | Nb   | Fe   | Ta    |  |
|------|------|------|-------|-------|-------|------|-------|------|-------|------|------|------|-------|--|
| 0,02 | 0,43 | 5,21 | 0,003 | 0,006 | 19,00 | 1,26 | 68,93 | 0,13 | < 0,1 | 0,12 | 2,42 | 2,42 | 0,004 |  |

**Mechanical properties****EN 10204 - 2.2**

| Tensile test |                         |                   |                         |                     |             |             |         |
|--------------|-------------------------|-------------------|-------------------------|---------------------|-------------|-------------|---------|
| T            | ReL / Rp 0,2<br>MPa     | Rp 1,0<br>MPa     | Rm<br>MPa               | A (Lo = 5d)<br>%    | Z<br>%      | WBH<br>PWHT | Remarks |
| 20°C         | ≥ 380                   |                   | ≥ 650                   | ≥ 35                |             |             |         |
| Impact test  |                         |                   |                         |                     |             |             |         |
| T            | Impact energy<br>KV / J | Average<br>KV / J | Lateral expansion<br>mm | Shear fracture<br>% | WBH<br>PWHT | Remarks     |         |
| -196°C       | ≥ 70                    |                   |                         |                     |             |             |         |
| 20°C         | ≥ 90                    |                   |                         |                     |             |             |         |

Town  
AvestaDate  
13.10.2022

This certificate was issued by DP-equipment and does not require signature.

Authorized representative  
Lars-Åke Bylund