

ÖSTERBERGS INDUSTRIHANDEL AB

## Inspection certificate 3.1

BOX 5240  
65005 KARLSTAD  
Swedenas per : EN 10204  
No. : 2023-2041324099-40-2157426-014  
Rev. 0 Page 1 of 1

|                          |   |    |                  |
|--------------------------|---|----|------------------|
| PO no.                   | 691818  | of | 19.04.2023       |
| Order no.                | 1041090919  |    |                  |
| Delivery note/pos./split | 2041324099/000000/000040                                      | of | 20.04.2023       |
| Product                  | stick electrode   |    |                  |
| Trade name               | <b>AVESTA 2205</b>  |    |                  |
| Standard designation     | EN ISO 3581-A: E 22 9 3 N L R<br>AWS A5.4 / SFA-5.4: E2209-17 |    |                  |
| Dimension                | 2,5 x 350 mm  |    | 261089           |
| Serial no.               | 2157426   |    | 80101            |
| Quantity                 | 62,4 KG   |    | 2SC1A04E<br>0015 |

## Chemical composition in % of the weld metal

| C     | Si    | Mn    | P     | S     | Cr     | Mo    | Ni    | Cu    | N     |  |  |  |  |  |
|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--|--|--|--|--|
| 0,019 | 0,790 | 0,670 | 0,020 | 0,014 | 22,820 | 3,090 | 9,130 | 0,090 | 0,167 |  |  |  |  |  |

## 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 |
|              |                         |                   |                         |                     |             |             |         |
| Impact test  |                         |                   |                         |                     |             |             |         |
| T            | Impact energy<br>KV / J | Average<br>KV / J | Lateral expansion<br>mm | Shear fracture<br>% | WBH<br>PWHT | Remarks     |         |
| -46°C        | 35                      |                   |                         |                     |             |             |         |
| 20°C         | 50                      |                   |                         |                     |             |             |         |

Town  
AvestaDate  
21.04.2023

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

Authorized representative  
Lidstroem