

ÖSTERBERGS INDUSTRIHANDEL AB

**Inspection certificate 3.1**

BOX 5240  
 65005 KARLSTAD  
 Sweden

as per : EN 10204  
 No. : 2023-2041324710-20-2157109-014  
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|                          |  |    |            |
|--------------------------|--|----|------------|
| PO no.                   | 700144   | of | 17.08.2023 |
| Order no.                | 1041091425   |    |            |
| Delivery note/pos./split | 2041324710/000000/000020                                       | of | 24.08.2023 |
| Product                  | stick electrode  |    |            |
| Trade name               | <b>AVESTA P5</b>   |    |            |
| Standard designation     | EN ISO 3581-A: E 23 12 2 L R<br>AWS A5.4 / SFA-5.4: E309LMo-17 |    |            |
| Dimension                | SMAW 5,0 x 450 mm  |    |            |
| Serial no.               | 2157109  |    | 261089     |
| Quantity                 | 18,0 KG  |    | 81485      |
|                          |  |    | 2SE9A04E   |
|                          |  |    | 0015       |

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

|      |      |      |       |       |       |      |       |      |  |  |  |  |  |  |
|------|------|------|-------|-------|-------|------|-------|------|--|--|--|--|--|--|
| C    | Si   | Mn   | P     | S     | Cr    | Mo   | Ni    | Cu   |  |  |  |  |  |  |
| 0,02 | 0,66 | 0,72 | 0,019 | 0,012 | 22,35 | 2,35 | 12,91 | 0,10 |  |  |  |  |  |  |

**Mechanical properties EN 10204 - 2.2**

|                     |                         |                   |                         |                     |             |             |         |
|---------------------|-------------------------|-------------------|-------------------------|---------------------|-------------|-------------|---------|
| <b>Tensile test</b> |                         |                   |                         |                     |             |             |         |
| 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                | ≥ 350                   |                   | ≥ 550                   | ≥ 25                |             |             |         |
| <b>Impact test</b>  |                         |                   |                         |                     |             |             |         |
| T                   | Impact energy<br>KV / J | Average<br>KV / J | Lateral expansion<br>mm | Shear fracture<br>% | WBH<br>PWHT | Remarks     |         |
|                     |                         |                   |                         |                     |             |             |         |

Town  
 Avesta

Date  
 25.08.2023

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

Authorized representative  
 Lidstroem