

SISAB  
Svetsekonomi i Skövde AB  
BOX 197  
54124 SKÖVDE  
Sweden

Inspection certificate 3.1

as per : EN 10204  
No. : 2025-2041328581-10-1179612-014  
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|                          |                                                                                                             |    |                  |
|--------------------------|-------------------------------------------------------------------------------------------------------------|----|------------------|
| PO no.                   | 17332+17357                                                                                                 | of | 02.04.2025       |
| Order no.                | 1041094215                                                                                                  |    |                  |
| Delivery note/pos./split | 2041328581/000000/000010                                                                                    | of | 28.04.2025       |
| Product                  | Tubular cored electrode                                                                                     |    |                  |
| Trade name               | <b>diamondspark 52 RC</b>                                                                                   |    |                  |
| Standard designation     | EN ISO 17632-A: T46 4 P M21 1 H5/T46 2 P C1 1 H5<br>AWS A5.20: E71T1M/T-9M/T-12M-JDH4/E71T1C/T-9C/T-12C DH4 |    |                  |
| Dimension                | 1,2 mm                                                                                                      |    | 279810           |
| Serial no.               | 1179612                                                                                                     |    | 45318            |
| Quantity                 | 7168,0 KG                                                                                                   |    | CU04110F<br>0015 |

Chemical composition in % of the weld metal

|      |      |      |       |       |      |        |      |      |      |       |      |       |  |  |
|------|------|------|-------|-------|------|--------|------|------|------|-------|------|-------|--|--|
| C    | Si   | Mn   | P     | S     | Cr   | Mo     | Ni   | V    | Cu   | Al    | Nb   | B     |  |  |
| 0,06 | 0,54 | 1,33 | 0,014 | 0,008 | 0,03 | < 0,01 | 0,02 | 0,01 | 0,10 | < 0,1 | 0,02 | 0,006 |  |  |

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         | ≥ 460                   |                   | 530 - 620               | ≥ 23                |             |             |         |
| Impact test  |                         |                   |                         |                     |             |             |         |
| T            | Impact energy<br>KV / J | Average<br>KV / J | Lateral expansion<br>mm | Shear fracture<br>% | WBH<br>PWHT | Remarks     |         |
| -40°C        | ≥ 47                    |                   |                         |                     |             |             |         |

Town Avesta Date 28.04.2025 This certificate was issued by DP-equipment and does not require signature.

Authorized representative Lidstroem