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Jones & Clark (Burton) ** REFER **
 ** REFER TO SMITH WELDING 14.6.18 **
 Hawkins Lane
 DE14 1DB Burton on Trent
 United Kingdom

Inspection certificate 3.1

as per : EN 10204
 No. : 2016-2012172871-10-1508033-3-014
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| | | | |
|---------------------------|---|----|------------------|
| PO no. | 062231 | of | |
| Order no. | 1012151028 | | |
| Delivery note/pos./splitt | 2012172871/000000/000010 | of | 09.06.2016 |
| Product | GMAW wire electrode | | 279983 |
| Trade name | BOEHLER SG 2 | | 71665 |
| Standard designation | EN ISO 14341-A: G 42 3 M21 3Si1 EN ISO 14341-A: G 42 3 C1 3Si1 AWS A5.18: ER70S-6 | | 3U10B20G 0120 |
| Dimension | 1,2 mm | | |
| Heat no. | 1508033-3 | | |
| Quantity | 420,0 KG | | |

Chemical composition in % of the product

| | | | | | | | | | | | | | | |
|------|------|------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|--------|--|
| C | Si | Mn | P | S | Cr | Mo | Ni | V | Cu | Ti | Al | B | Zr | |
| 0,09 | 0,92 | 1,53 | 0,011 | 0,010 | 0,022 | 0,004 | 0,012 | 0,001 | 0,01 | 0,003 | 0,004 | 0,001 | 0,0070 | |

Mechanical properties

EN 10204 - 2.2

| | | | | | | | |
|--------------|-------------------------|-------------------|-------------------------|---------------------|-------------|---------------|---------------|
| Tensile test | | | | | | | |
| T | ReL / Rp 0,2 MPa | Rp 1,0 MPa | Rm MPa | A (Lo = 5d) % | Z % | WBH PWHT | Remarks |
| 20°C | ≥ 420 | | 500 - 640 | ≥ 20 | | AW | Shield gas:C1 |
| Impact test | | | | | | | |
| T | Impact energy KV / J | Average KV / J | Lateral expansion mm | Shear fracture % | WBH PWHT | Remarks | |
| -30°C | | ≥ 47 | | | AW | Shield gas:C1 | |

Town
 Oldbury

Date
 30.10.2018

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

Authorized representative
 Stuart Thomas