

## Test Report

Chemical Composition Prepared according to EN 10204 3.1  
Mechanical Properties Prepared according to EN 10204 2.2

|                                                                                                                                                                                                                           |                    |             |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|-----------|
| Certificate No<br>651815                                                                                                                                                                                                  | Date<br>02.09.2025 | Dispatch No |           |
| Customer<br>ARC ELEKTRO LASTECHNIEK                                                                                                                                                                                       |                    |             | Lot Class |
| Product Name<br>MG 2                                                                                                                                                                                                      | Approvals<br>CE    |             |           |
| Standards<br>AWS/ASME SFA - 5.18 ER70S-6, EN ISO 14341 - A G 42 3 C1 3Si1, EN ISO 14341 - A G 42 4 M20 3Si1, EN ISO 14341 - A G 42 4 M21 3Si1, TS<br>EN ISO 14341 - A G 42 3 C1 3Si1, TS EN ISO 14341 - A G 42 4 M21 3Si1 |                    |             |           |

### Solid Wire Chemical Analysis(%)

| Lot Num  | Diameter<br>(mm) | C    | Si   | Mn   | P    | S     | Cr    | Ni    | Mo    | Cu    | V     | Al    | Ti+Zr  |  |
|----------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| 16082010 | 1.00             | 0,06 | 0,77 | 1,40 | 0,01 | 0,016 | 0,021 | 0,023 | 0,004 | 0,029 | 0,002 | 0,002 | < 0,15 |  |

### All-Weld-Metal Mechanical Properties

| Lot No   | Diameter(mm) | Quantity | Gas | Tensile Strength<br>(N/mm2) | Yield Strength<br>(N/mm2) | Elongation(%) | Impact Energy(J) |
|----------|--------------|----------|-----|-----------------------------|---------------------------|---------------|------------------|
| 16082010 | 1.00         | 1080     | C1  | 540                         | 430                       | 29            | -30°C->70        |
| 16082010 | 1.00         | 1080     | M21 | 560                         | 460                       | 27            | -40°C->75        |

We hereby certify that the product described above "complies with the term of the order" and "comforms with the related international standards."

Emre YILMAZ  
Certification Responsible

