

## TEST REPORT 2.2

### Kilkenny Welding Supplies Ltd.

Timahoe Road  
Portlaoise  
Co. Laoise  
IRELAND

TEST REPORT

as per : EN 10204

**No. : 12194-2165757**

Page 1 of 1

|                      |                                     |                       |
|----------------------|-------------------------------------|-----------------------|
| Pur. order no.       | KK003663                            | 237922                |
| PO No.               | 1018020173                          |                       |
| Dispatch No.         | 2018022520 / 11                     | of 24-02-2026         |
| Examined part        | Covered electrode                   | 12194<br>Y2053A14     |
| Trade designation    | <b>HILCHROME 316 R 2,5 x 300 mm</b> |                       |
| Standard designation | EN ISO 3581-A: E 19 12 3 LR 3 2     | AWS A5.4-06: E316L-17 |
| Marking of product   |                                     |                       |
| Lot-/heat no.        | 2165757                             |                       |
| Delivered qty.       | 31,50 KG                            |                       |

Chemical composition in % All-weld metal

| Lot/heat | C     | Si    | Mn    | P     | S     | Cr     | Mo    | Ni     | Cu    |  |  |  |  |  |  |  |  |  |
|----------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--|--|--|--|--|--|--|--|--|
| 2165757  | 0,030 | 0,650 | 0,580 | 0,023 | 0,010 | 18,990 | 2,720 | 12,560 | 0,070 |  |  |  |  |  |  |  |  |  |

| Tensile test as per EN 10002-1 |                       |                           |                                       | Specimen preparation EN 876   |                            |                     |      |
|--------------------------------|-----------------------|---------------------------|---------------------------------------|-------------------------------|----------------------------|---------------------|------|
|                                | Test temp.<br>T<br>°C | Yield point<br>Reh<br>MPa | Yield Strength<br>Rp<br>0,2% Mpa 1,0% | Tensile Strength<br>Rm<br>MPa | Elongation<br>A<br>% Lo=5d | Reduction<br>Z<br>% | Note |
| Minimum                        | 20 °C for RM          |                           | 350                                   | 540                           | 30                         |                     |      |
| Maximum                        |                       |                           |                                       |                               |                            |                     |      |

| Impac test as per EN 10045-1 |                       |                                       | Specimen preparation EN 875 VWT 0/b |   |                        |      |
|------------------------------|-----------------------|---------------------------------------|-------------------------------------|---|------------------------|------|
|                              | Test temp.<br>T<br>°C | Absorbing energy minimum values<br>KV | Average<br>J                        | lat. expansion<br>lateral expansion<br>mm | Shear<br>fracture<br>% | Note |
|                              | 20 °C for KV          | 47                                    |                                     |   |                        |      |
|                              | -120 °C for KV        | 32                                    |                                     |   |                        |      |

Note

Loc.  
Haarlem

Date  
24-02-2026

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

Authorized inspection representative

Johan Reemer



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ABN AMRO Bank N.V.  
For payment in €:  
Account nr: 41.00.39.691  
IBAN nr: NL51 ABNA 0410 0396 91  
BIC: ABNANL2A

For payment in USD:  
Account nr: 41.00.65.854  
IBAN nr: NL04 ABNA 0410 0658 54  
BIC: ABNANL2A



BIJ KONINKLIJKE BESCHIKKING HOFLEVERANCIER  
BY APPOINTMENT TO THE COURT OF THE NETHERLANDS  
FOURNISSEUR DE LA COUR PAR ORDONNANCE ROYALE  
DURCH KÖNIGLICHEN ERLASS HOFLIEFERANT  
PROVEEDORES DE LA REAL CASA DE LOS PAISES BAJOS