

|                                                                                                                                                                                  |                        |                           |                                                                                                                                                                      |                                                                                      |                      |                                                                    |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------|----------------------|------|-------|-------|------|---------------|-------|------------------------------------------------------------------------------------------------------|--|------------|--|--|--|
|                                                                                                 |                        | MILL'S TEST CERTIFICATION |                                                                                                                                                                      |                                                                                      |                      |                                                                    |                      |      |       |       |      | SPECIFICATION |       | ANGLE BARS - ROUND BARS -<br>SQUARE BARS - FLAT BARS<br><b>S235JR+AR (FN)</b><br>ACC.TO EN 10025-1/2 |  |            |  |  |  |
| Inspection No                                                                                                                                                                    |                        | 2022-10/020               |                                                                                                                                                                      | ACC. TO EN 10204 / 3.1.<br>( as per DIN 50049 Certificate on material tests -3.1 B ) |                      |                                                                    |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| Order No & P                                                                                                                                                                     |                        | 22 177 50                 |                                                                                                                                                                      |                                                                                      |                      |                                                                    |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| L/C No                                                                                                                                                                           |                        |                           |                                                                                                                                                                      |                                                                                      |                      |                                                                    |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| Customer                                                                                                                                                                         |                        |                           |                                                                                                                                                                      | KROMAN ÇELİK SANAYİİ A.Ş.                                                            |                      |                                                                    |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| Melting process                                                                                                                                                                  |                        | E.A.F.                    |                                                                                                                                                                      | HEAD OFFICE                                                                          |                      | İstasyon Mah. Güney Yanyol Cad. No:64 41400 Gebze, Kocaeli, Turkey |                      |      |       |       |      |               |       | DATE OF ISSUE                                                                                        |  | 13.10.2022 |  |  |  |
| Heat treatment                                                                                                                                                                   |                        | As rolled(AR)             |                                                                                                                                                                      | TEST RESULTS                                                                         |                      |                                                                    |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| Description of Delivery                                                                                                                                                          |                        |                           |                                                                                                                                                                      | Tensile Test                                                                         |                      |                                                                    | Product Analysis (%) |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
|                                                                                                                                                                                  | size                   | Length                    | Tensile Strength                                                                                                                                                     | Yield Point                                                                          | Elongation L0=5.65D0 | Chemical Composition (%)                                           |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| Heat_No                                                                                                                                                                          | mm                     | m                         | Nt/mm²                                                                                                                                                               | %                                                                                    |                      | C                                                                  | Mn                   | Si   | S     | P     | Cu   | Al            | N     | CEQ                                                                                                  |  |            |  |  |  |
|                                                                                                                                                                                  |                        |                           |                                                                                                                                                                      |                                                                                      |                      | %                                                                  |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| 10059253                                                                                                                                                                         | 25x25x3 mm Angle Bar   | 6                         | 433                                                                                                                                                                  | 291                                                                                  | 29                   | 0.11                                                               | 0.58                 | 0.17 | 0.025 | 0.020 | 0.40 | 0.00          | 0.009 | 0.26                                                                                                 |  |            |  |  |  |
| 10059254                                                                                                                                                                         | 20x20x2,5 mm Angle Bar | 6                         | 444                                                                                                                                                                  | 301                                                                                  | 30                   | 0.12                                                               | 0.61                 | 0.17 | 0.020 | 0.018 | 0.37 | 0.00          | 0.009 | 0.28                                                                                                 |  |            |  |  |  |
| 10061592                                                                                                                                                                         | 30x30x2,7 mm Angle Bar | 6                         | 475                                                                                                                                                                  | 331                                                                                  | 29                   | 0.14                                                               | 0.55                 | 0.11 | 0.015 | 0.013 | 0.27 | 0.00          | 0.009 | 0.28                                                                                                 |  |            |  |  |  |
| 10062748                                                                                                                                                                         | 20 mm Round Bar        | 6                         | 481                                                                                                                                                                  | 326                                                                                  | 28                   | 0.10                                                               | 0.47                 | 0.11 | 0.010 | 0.022 | 0.39 | 0.00          | 0.010 | 0.24                                                                                                 |  |            |  |  |  |
| 10062894                                                                                                                                                                         | 10 mm Square Bar       | 6                         | 451                                                                                                                                                                  | 329                                                                                  | 29                   | 0.11                                                               | 0.58                 | 0.18 | 0.019 | 0.022 | 0.38 | 0.00          | 0.011 | 0.26                                                                                                 |  |            |  |  |  |
| 10061646                                                                                                                                                                         | 40x4 mm Flat Bar       | 6                         | 506                                                                                                                                                                  | 347                                                                                  | 28                   | 0.18                                                               | 0.62                 | 0.18 | 0.006 | 0.009 | 0.23 | 0.00          | 0.009 | 0.32                                                                                                 |  |            |  |  |  |
| CEQ = C + Mn/6 + (Cr+Mo+V)/15 + (Ni+Cu)/5<br>CHEMICAL AND MECHANICAL VALUES AND CEV-EQUIVALENT AND U SIGN MATERIAL SUITABLE FOR GALVANIZING I.E. SI-CONTENT 0.031 OR 0.15-0.25 % |                        |                           |                                                                                                                                                                      |                                                                                      |                      |                                                                    |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| CE Marking Certificate Number : 1984-CPR-0030                                                                                                                                    |                        |                           |                                                                                                                                                                      |                                                                                      |                      |                                                                    |                      |      |       |       |      |               |       |                                                                                                      |  |            |  |  |  |
| <br><b>1984-CPR-0030</b>                                                                        |                        |                           | WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR BY THE ABOVE ORDER |                                                                                      |                      |                                                                    |                      |      |       |       |      |               |       | QUALITY MANAGER                                                                                      |  |            |  |  |  |

KROMAN ÇELİK SANAYİİ A.Ş.