

**MILL'S TEST CERTIFICATE**  
**( ACC. TO EN 10204 / 2.2 )**  
**Yücel Boru ve Profil Endüstrisi A.Ş.**

|                     |                                       |               |                   |             |                   |
|---------------------|---------------------------------------|---------------|-------------------|-------------|-------------------|
| <b>Customer</b>     | <b>HAKAN SAC METAL ANONİM ŞİRKETİ</b> | <b>Order</b>  | <b>0015598792</b> | <b>Date</b> | <b>12.01.2023</b> |
| <b>Sending</b>      | <b>0081224593</b>                     | <b>Report</b> | <b>00449871</b>   | <b>Page</b> | <b>1/1</b>        |
| <b>TEST RESULTS</b> |                                       |               |                   |             |                   |

**MECHANICAL PROPERTIES / CHEMICAL ANALYSIS**

| Size x Thickness<br>(mm) | Coil / Packet<br>Ref.No. | PCS | Weight(Kg) | Type | Quality    | Tensile<br>Strength<br>(N/mm2) | Yield<br>Strength<br>(N/mm2) | Elong.<br>(%) | Impact<br>Energy<br>(Joule) | C<br>% | Si<br>% | Mn<br>% | P<br>% | S<br>% | Ni<br>% | Cr<br>% | Mo<br>% | V<br>% | Cu<br>% | Al<br>% | Ti<br>% | Nb<br>% | N<br>% | Heat<br>Number | Standard Grade<br>Product |
|--------------------------|--------------------------|-----|------------|------|------------|--------------------------------|------------------------------|---------------|-----------------------------|--------|---------|---------|--------|--------|---------|---------|---------|--------|---------|---------|---------|---------|--------|----------------|---------------------------|
| 1x1200x2400              | 2204912801               | 110 | 2.486      | GR   | DX51D+Z100 | 366                            | 296                          | 34            | -                           | 0,030  | 0,010   | 0,220   | 0,006  | 0,010  | 0,010   | 0,030   | 0,003   | 0,001  | 0,030   | 0,053   | 0,001   | 0,001   | 0,006  | M2200166       | EN10143:2006              |
| 1x1200x2400              | 2204913003               | 33  | 755        | GR   | DX51D+Z100 | 366                            | 296                          | 34            | -                           | 0,070  | 0,020   | 0,290   | 0,007  | 0,010  | 0,020   | 0,030   | 0,002   | 0,001  | 0,040   | 0,054   | 0,001   | 0,002   | 0,005  | M2200162       | EN10143:2006              |
| 1x1200x2400              | 2205234502               | 110 | 2.517      | GR   | DX51D+Z100 | 365                            | 284                          | 38            | -                           | 0,047  | 0,011   | 0,163   | 0,009  | 0,014  | 0,037   | 0,028   | 0,013   | 0,002  | 0,062   | 0,040   | 0,001   | 0,002   | 0,005  | 22E00946       | EN10143:2006              |
| 1x1200x2400              | 2205234503               | 150 | 3.330      | GR   | DX51D+Z100 | 365                            | 284                          | 38            | -                           | 0,047  | 0,011   | 0,163   | 0,009  | 0,014  | 0,037   | 0,028   | 0,013   | 0,002  | 0,062   | 0,040   | 0,001   | 0,002   | 0,005  | 22E00946       | EN10143:2006              |
| 2x1250x2500              | 2205407301               | 16  | 785        | GR   | DX51D+Z100 | 375                            | 305                          | 25            | -                           | 0,031  | 0,012   | 0,214   | 0,012  | 0,010  | 0,041   | 0,049   | 0,000   | 0,001  | 0,089   | 0,059   | 0,001   | 0,001   | 0,001  | 2231018612     | EN10143:2006              |
| 2x1250x2500              | 2205407405               | 46  | 2.256      | GR   | DX51D+Z100 | 371                            | 308                          | 25            | -                           | 0,039  | 0,010   | 0,219   | 0,010  | 0,016  | 0,036   | 0,040   | 0,001   | 0,001  | 0,113   | 0,059   | 0,001   | 0,001   | 0,001  | 2231018601     | EN10143:2006              |
| 2x1250x2500              | 2205408803               | 55  | 2.641      | GR   | DX51D+Z100 | 375                            | 305                          | 25            | -                           | 0,031  | 0,012   | 0,214   | 0,012  | 0,010  | 0,041   | 0,049   | 0,002   | 0,001  | 0,089   | 0,059   | 0,001   | 0,001   | 0,001  | 2231018613     | EN10143:2006              |
| 2x1250x2500              | 2205408804               | 48  | 2.305      | GR   | DX51D+Z100 | 375                            | 305                          | 25            | -                           | 0,031  | 0,012   | 0,214   | 0,012  | 0,010  | 0,041   | 0,049   | 0,002   | 0,001  | 0,089   | 0,059   | 0,001   | 0,001   | 0,001  | 2231018613     | EN10143:2006              |

|                                                                                                                                                               |                                                  |                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|
| <b>WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.</b> | <b>PREPARED by</b>                               | <b>APPROVED by</b>                    |
| <b>This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standart.</b>           | <b>HAYDAR KARA</b><br>Quality Control Specialist | <b>MURAT ORHON</b><br>Quality Manager |