

Customer <sup>A06</sup>: DUFERCO S.A.  
Customer's order no. <sup>A07</sup>: SO4201010764  
Order No. / Lot No. <sup>A08</sup>: / 8020  
Manufacturer's symbol <sup>A04</sup>: ŽSK  
Delivered conditions <sup>B04</sup>: NR - normalizing rolling

## INSPECTION CERTIFICATE No. 708811 8020 001

According to EN 10204 / 2004 : 3.1  
Issued in electronic form

Technical delivery conditions <sup>B02</sup>: EN 10025-2:2019  
EN 10029:2010 cl.B cl.N  
EN 10163-1-2:2004 cl.B/3

Issued : 25.08.2021

### HOT ROLLED STEEL PLATES

### CHEMICAL COMPOSITION

| Heat No. | Steel grade | Item no. | Pieces | Dimensions (mm) |       |        | Weight (kg) | C<br>10 <sup>-2</sup><br>% | Si<br>10 <sup>-2</sup><br>% | Mn<br>10 <sup>-2</sup><br>% | P<br>10 <sup>-3</sup><br>% | S<br>10 <sup>-3</sup><br>% | Al<br>10 <sup>-3</sup><br>% | N<br>10 <sup>-3</sup><br>% | Cr<br>10 <sup>-2</sup><br>% | Cu<br>10 <sup>-2</sup><br>% | Ni<br>10 <sup>-2</sup><br>% | Ti<br>10 <sup>-3</sup><br>% | V<br>10 <sup>-3</sup><br>% | Nb<br>10 <sup>-3</sup><br>% | Mo<br>10 <sup>-3</sup><br>% | B<br>10 <sup>-4</sup><br>% | Ca<br>10 <sup>-4</sup><br>% | CEV<br>10 <sup>-2</sup><br>% |    |
|----------|-------------|----------|--------|-----------------|-------|--------|-------------|----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----|
|          |             |          |        | Thickness       | Width | Length |             |                            |                             |                             |                            |                            |                             |                            |                             |                             |                             |                             |                            |                             |                             |                            |                             |                              |    |
| 486787   | S355J2+N    | 12       | 1      | 6.00            | 2500  | 10000  | 1178        | 17                         | 22                          | 109                         | 18                         | 7                          | 36                          | 7                          | 19                          | 37                          | 11                          | 1                           | 1                          | 1                           | 1                           |                            |                             |                              | 42 |
| 486789   | "           | 12       | 2      | 6.00            | 2500  | 10000  | 2356        | 16                         | 21                          | 105                         | 22                         | 10                         | 37                          | 8                          | 19                          | 34                          | 10                          | 1                           | 1                          | 1                           | 1                           |                            |                             |                              | 41 |
| 486935   | "           | 12       | 1      | 6.00            | 2500  | 10000  | 1178        | 17                         | 23                          | 106                         | 16                         | 7                          | 30                          | 7                          | 9                           | 38                          | 10                          | 1                           | 1                          | 1                           | 1                           |                            |                             |                              | 40 |

Total : 4

4712

MANUFACTURING PROCESS: EAF <sup>C70</sup>

| PRODUCT IDENTIFICATION |           |           |          | TENSILE TEST           |                         |                          |                         |        | IMPACT TEST             |       |                   |    |    | SUPPLEMENTARY REQUIREMENTS |          |                         |                         |
|------------------------|-----------|-----------|----------|------------------------|-------------------------|--------------------------|-------------------------|--------|-------------------------|-------|-------------------|----|----|----------------------------|----------|-------------------------|-------------------------|
| Heat No.               | Plate No. | Plate No. | Test No. | Location <sup>2)</sup> | Direction <sup>1)</sup> | Reb<br>N/mm <sup>2</sup> | Rm<br>N/mm <sup>2</sup> | A<br>% | Direction <sup>1)</sup> | Type  | Individual values |    |    | Mean<br>value<br>J         | At<br>°C | Width of<br>tests piece | Direction <sup>1)</sup> |
|                        |           |           |          |                        |                         |                          |                         |        |                         |       | 1                 | 2  | 3  |                            |          |                         |                         |
| 486787                 | 50028-01  |           | 50028    | 1                      | T                       | 409                      | 554                     | 27.8   | L                       | ISO-V | 41                | 45 | 41 | 42                         | -20      | 10X6.0                  |                         |
| 486789                 | 50039-01  | 50040-02  | 50039    | 1                      | T                       | 405                      | 546                     | 29.6   | L                       | ISO-V | 71                | 65 | 68 | 68                         | -20      | 10X6.0                  |                         |
| 486935                 | 50038-01  |           | 50027    | 1                      | T                       | 398                      | 529                     | 30.1   | L                       | ISO-V | 52                | 55 | 58 | 55                         | -20      | 10X6.0                  |                         |

**ONIRAM, LDA**  
DEP. QUALIDADE  
RECEPCÃO

Bend test <sup>C50</sup>

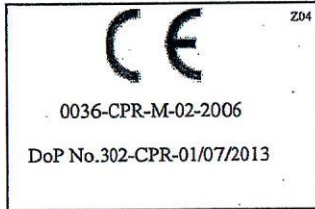
Ultra-sonic test <sup>D02</sup>:

Visual and dimensional inspection : without objection  
We hereby certify, that the delivered material complies with the terms of the order. <sup>Z01</sup>

<sup>1)</sup>Direction of the test piece : L - longitudinal; T - transverse; Z - in the thickness direction  
<sup>2)</sup>Location of the test sample : 1 - top; 2 - bottom

Die-stamp marking :  
Makstil's symbol / Grade / Heat No. / Plate No./CS mark

MAKSTIL AD - Skopje, ISO 9001:2015 CERTIFIED BY BSI, CERTIFICATE No. FM 55589



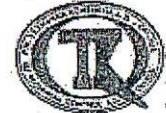
Q.D. 'MAKSTIL' A.D

QM.dip.eng I.BOGESKI <sup>A05</sup>



RZ TECHNICAL CONTROL A.D. - SKOPJE

tech.manager dipl.Eng.É.Ugrinovska <sup>Z02</sup>



FAF - Produtos Siderurgicos, S.A.  
Departamento de Qualidade

Laboratory RZ TECHNICAL CONTROL AD - Skopje, ISO 9001:2015 CERTIFIED BY LRQA, CERTIFICATE IDENTITY No. 10079523