

Customer ^{A06}: DUFERCO S.A.
Customer's order no. ^{A07}: SO4201009981
Order No. / Lot No. ^{A08}: / 6452

Manufacturer's symbol ^{A04} ŽSK
Delivered conditions ^{B04} NR - normalizing rolling

INSPECTION CERTIFICATE No. 711959 6452 001

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

EN 10025-2:2019

Technical delivery conditions ^{B02}: EN 10029:2010 cl.A; cl.N

EN 10163-1-2:2004 cl.A/2

Issued : 02.12.2020

HOT ROLLED STEEL PLATES

CHEMICAL COMPOSITION

Heat No.	Steel grade	Item no.	Pieces	Dimensions (mm)			Weight (kg)	C 10 ⁻² %	Si 10 ⁻² %	Mn 10 ⁻² %	P 10 ⁻³ %	S 10 ⁻³ %	Al 10 ⁻³ %	N 10 ⁻³ %	Cr 10 ⁻² %	Cu 10 ⁻² %	Ni 10 ⁻² %	Ti 10 ⁻³ %	V 10 ⁻³ %	Nb 10 ⁻³ %	Mo 10 ⁻³ %	B 10 ⁻⁴ %	Ca 10 ⁻⁴ %	CEV 10 ⁻² %		
				Thickness	Width	Length																				
484776	S355J2+N	3	2	6.00	2000	12000	17	31	116	12	7	45	8	13	26	10	1	1	1	1	1				42	
484783	"	3	2	6.00	2000	12000	17	24	108	16	5	53	8	16	32	10	1	1	1	1	1				41	
484843	"	3	3	6.00	2000	12000	18	24	109	15	5	45	8	18	29	10	1	1	1	1	1				43	
484851	"	3	1	6.00	2000	12000	16	23	105	13	5	45	7	12	31	10	1	1	1	1	1				39	
Total :		21					22602																			

MANUFACTURING PROCESS: EAF

PRODUCT IDENTIFICATION

TENSILE TEST

IMPACT TEST

SUPPLEMENTARY REQUIREMENTS

Heat No.	Plate No.	Plate No.	Test No.	L ²⁾ C01	D ¹⁾ C02	R _{eh} N/mm ² C11	R _m N/mm ² C12	A % C13	D ¹⁾ C02	Type C40	Individual values			Mean value J C43	At °C C03	Width of tests piece C41	D ¹⁾ C02		
											1	2	3						
4776	56309-01	56309-02	56307	1	T	404	555	29.2	L	ISO-V	56	61	55	57	-20	10X6.0			
4783	56297-01	56297-02	56260	1	T	452	616	26.5	L	ISO-V	38	34	36	36	-20	10X6.0			
4843	56290-01	56296-01	56266	1	T	413	566	28.8	L	ISO-V	54	52	51	52	-20	10X6.0			
"	56296-02																		
4851	56292-01		56102	1	T	410	549	29.2	L	ISO-V	66	72	68	69	-20	10X6.0			

test ^{C50}

ultrasonic test ^{B02}:

and dimensional inspection : without objection

we hereby certify, that the delivered material complies with the terms of the order. ^{B01}

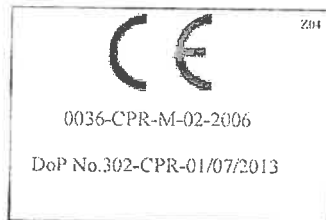
Orientation of the test piece : L - longitudinal; T - transverse; Z - in the thickness direction

Orientation of the test sample : 1 - top; 2 - bottom

Die-stamp marking :

Makstil's symbol / Grade / Heat No. / Plate No./CS mark

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



Q.D. 'MAKSTIL' A.D

Q.M.dip.eng I.BOGESKI ^{A05}



RZ TECHNICAL CONTROL A.D. - SKOPJE

tech.manager dipl.Eng.É.Ugrinovska



^{Z02}