

Customer ^{A06}: DUFERCO S.A.
Customer's order no. ^{A07}: SO4201006570
Order No. / Lot No. ^{A08}: / 8121
Manufacturer's symbol ^{A04}: ŽSK
Delivered conditions ^{B04}: NR - normalizing rolling

INSPECTION CERTIFICATE No. 707992 8121 001

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

EN 10025-2:2004

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

EN 10163-1-2:2004 cl.A/3

Issued : 15.11.2016

HOT ROLLED STEEL PLATES								CHEMICAL COMPOSITION																	
Heat No.	Steel grade	Item no.	Pieces	Dimensions (mm)			Weight (kg)	C	Si	Mn	P	S	Al	N	Cr	Cu	Ni	Ti	V	Nb	Mo	B	Ca	CEV	
				Thickness	Width	Length		10 ⁻² %	10 ⁻² %	10 ⁻² %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻² %	10 ⁻² %	10 ⁻² %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻⁴ %	10 ⁻³ %
435647	S355J2+N	8	1	50.00	2500	8000	7850	18	23	138	14	4	41	7	2	1	1	2	47	1	2			425	

Total : 1

7850

MANUFACTURING PROCESS: EAF ^{C70}

PRODUCT IDENTIFICATION				TENSILE TEST					IMPACT TEST						SUPPLEMENTARY REQUIREMENTS		
Heat No.	Plate No.	Plate No.	Test No.	Location ²⁾	Direction ¹⁾	Reh ² N/mm ²	Rm ² N/mm ²	A %	Direction ¹⁾	Type	Individual values			Mean value J	At °C	Width of tests piece	Direction ¹⁾
											1	2	3				
435647	54159-01		54154	1	T	382	543	26.9	L	ISO-V	164	170	163	166	-20	10X10.0	

UT 20.L.00745
GR 4510(6)
ONIRAM, LDA
QUALIDADE
RECEPÇÃO

Bend test ^{C50}

DATA 2010 02 20

SUBSCRIBED

Ultra-sonic test ^{D02}: EN 10160:1999 S1/E1

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

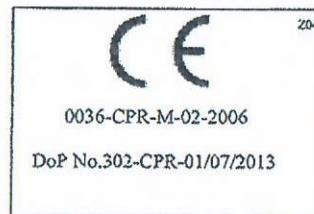
¹⁾ Direction of the test piece : L - longitudinal; T - transverse; Z - in the thickness direction

²⁾ 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 9001:2008 CERTIFIED BY BSI, CERTIFICATE No. FM 55589



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

Q.D. 'MAKSTIL' A.D

QM.dip.eng I.BOGESKI ^{A05}



RZ TECHNICAL CONTROL A.D. - SKOPJE

tech.manager dipl.Eng.É.Ugrinovska ^{Z02}

