MAKSTIL

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1000 Skopje,
Republic of Macedonia
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A01

Customer A06: DUFERCO S.A.
Customer's order no. A07: SO4201008062
Order No. / Lot No. A08: / 8029
Manufacturer's symbol A04: ŻSK
Delivered conditions B04: NR - normalizing rolling

INSPECTION CERTIFICATE No. 708505 8029 001

A02 A03

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

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

FM ML.03.40

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Issued : 26.09.2018

HOT ROLLED STEEL PLATES B01

Heat No.	Steel grade	Item no.	Pieces	Dimensions (mm) Thickness	Width	Length	Weight (kg)
B07	B02	A07	B08	B09	B10	B11	
480469	S355J2+N	4	1	6.00	2500	8000	942
480158	"	5	2	6.00	2500	10000	2356
480469	"	6	1	6.00	2500	12000	1413
479908	"	8	1	8.00	2500	10000	1570
480372	"	8	1	8.00	2500	10000	1570
479908	"	9	1	8.00	2500	12000	1884
480278	"	10	3	10.00	2500	8000	4710

CHEMICAL COMPOSITION

Heat No.	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} %
	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C85	C93
480469	17	30	107	25	5	30	8	6	39	14	1	1	1	1			40
480158	17	28	109	20	13	43	8	8	40	12	1	1	1	1			40
480469	17	30	107	25	5	30	8	6	39	14	1	1	1	1			40
479908	17	16	112	14	10	55	8	8	38	9	1	1	1	1			40
480372	17	32	110	16	3	42	7	6	39	12	1	1	1	1			40
479908	17	16	112	14	10	55	8	8	38	9	1	1	1	1			40
480278	16	21	108	16	7	43	6	10	40	12	1	1	1	1			40

Total : 10 14445 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 N/mm²	Rm N/mm²	A %	Direction 1)	Type	Individual values J 1	2	3	Mean value J	At °C	Width of tests piece	Direction 1)		
B07	B07	B07	C00	C01	C02	C11	C12	C13	C02	C40	C42	C42	C42	C43	C03		C02		B03
480469	54671-01		54671	1	T	406	566	28.4	L	ISO-V	57	49	51	52	-20	10X6.0			
480158	53123-01	53123-02	53118	1	T	400	555	28.4	L	ISO-V	64	55	58	59	-20	10X6.0			
480469	54671-02		54671	1	T	406	566	28.4	L	ISO-V	57	49	51	52	-20	10X6.0			
479908	52798-01		52798	1	T	398	526	30.7	L	ISO-V	126	114	120	120	-20	10X8.0			
480372	53063-02		53061	1	T	398	550	28.2	L	ISO-V	102	139	111	117	-20	10X8.0			
479908	52800-01		52798	1	T	398	526	30.7	L	ISO-V	126	114	120	120	-20	10X8.0			
480278	53091-01	53091-02	53082	1	T	388	530	28.8	L	ISO-V	142	140	135	139	-20	10X8.0			
"	53094-03																		

Bend test C50

Ultra-sonic test D02 : EN 10160:1999 S1/E2

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

ONIRAM,LDA
DEP.QUALIDADE
RECEPÇÃO
RUBRICA
DATA 26/09/18

CE Z04
0036-CPR-M-02-2006
DoP No.302-CPR-01/07/2013

Q.D. 'MAKSTIL' A.D
QM.dip.eng I.BOGESKI A05

JOINT STOCK COMPANY FOR PRODUCTION AND TRADE WITH METALLURGICAL PRODUCTS MAKSTIL QA Skopje

RZ TECHNICAL CONTROL A.D. - SKOPJE
tech.manager dipl.Eng.E.Ugrinovska Z02

Die-stamp marking :
Makstil's symbol / Grade / Heat No. / Plate No./CS mark B06

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

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

Laboratory RZ TECHNICAL CONTROL AD - Skopje, ISO 9001:2015 CERTIFIED BY LRQA, CERTIFICATE No. FM 0039161