MAKSTIL Duferco GROUP

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1000 Skopje, Republic of Macedonia
www.makstil.com

Customer A06: DUFERCO S.A.
Customer's order no. A07: SO4201006783
Order No. / Lot No. A08: / 8004
Manufacturer's symbol A04 ŽSK
Delivered conditions B04 NR - normalizing rolling

INSPECTION CERTIFICATE No. 702853 8004 001

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

FM ML.03.40

Pages : 1/ 1

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

Issued : 26.03.2017

HOT ROLLED STEEL PLATES

Heat No.	Steel grade	Item no.	Pieces	Dimensions (mm) Thickness	Width	Length	Weight (kg)
476210	S355J0+N	5	1	30.00	2000	8000	3768
476213	"	5	2	30.00	2000	8000	7536
476209	"	7	2	35.00	2000	8000	8792

Total : 5 20096

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^{-3} %
476210	15	31	137	20	10	26	7	6	27	9	1	1	1	1			415
476213	18	35	130	20	14	23	8	7	28	9	1	1	1	1			436
476209	16	21	131	18	7	38	7	6	26	9	1	1	1	1			414

MANUFACTURING PROCESS: EAF C70

PRODUCT IDENTIFICATION / TENSILE TEST / IMPACT TEST / SUPPLEMENTARY REQUIREMENTS

Heat No.	Plate No.	Plate No.	Test No.	Location 2)	Direction 1)	Rch 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)
476210	11856-02		11854	1	T	393	563	26.6	L	ISO-V	137	141	136	138	0	10X10.0	
476213	11853-01	11853-02	11853	1	T	403	571	26.1	L	ISO-V	150	147	151	149	0	10X10.0	
476209	11850-01	11852-02	11852	1	T	370	552	26.8	L	ISO-V	90	86	85	87	0	10X10.0	

GR6524 (130)
ONIRAM,LDA
DEP.QUALIDADE
RECEPÇÃO
DATA 2022.02.02
RUBRICA

Bend test C50

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

Visual and dimensional ispection : 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

CE Z04
0036-CPR-M-02-2006
DoP No.301-CPR-01/07/2013

UT 22.L.03034

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.S.Marinova Z02

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

MAKSTIL AD - Skopje, ISO 9001:2008 CERTIFIED BY BSI, CERTIFICATE No. FM 55589

Laboratory RZ TECHNICAL CONTROL AD - Skopje, ISO 9001:2008 CERTIFIED BY LRQA, CERTIFICATE No. FM 207983