



Adress : Barış Mahallesi,1805/3 Sokak.No:5/A Gebze Kocaeli.
Tel :+90 262 644 00 20 PBX
Fax :+90 216 515 48 86
Web :www.sonmezlermetal.com.tr

MALZEME TEST SERTİFİKASI MILL TEST CERTIFICATE

Müşteri Adı ve Adresi:
Name and Address of the Customer:

LLC METALICA-ZUEV
MD-2028, Moldova, Chisinau st. G. Asaki, 62 – 22

CE
2138

EN 10219 NO: 2138-CPR-250/22

EN 10219 DOP NO: SNM.DOP.001

Sertifika No/Certificate No : 298
Sayfa/Page : 1
Sevk Tarihi/Date of Dispatch : 6.11.2023
Sertifika Tarihi/Certificate Date : 7.11.2023
Sertifika Normu/Certificate Norm : EN 10204:2004/3.1
Satış Belgesi/Order No : SSPA-017089
Sefer Numarası/Shipment No : HXX860

Ürün Bilgisi ve Mekanik Testler/Product Information and Mechanical Tests

Sıra Item	Tip Type	Ebat Size	Barkod Barcode	Döküm Heat	KG	Lot No	Üretim Normu Production Norm	Kalite Steel Grade	YS N/mm ²	TS N/mm ²	E %	N. Bölgesi S. Location	N. Yönü S. Direction	N. Şekli S. Type	IE 1 J	IE 2 J	IE 3 J	IE AV. J	TT °C	N. Şekli S. Type	N. Genişliği S. Width	HT BAR	HT TIME Sec.
1		14.0 mm Plaka	1500x6000	B000374234	ND33109-010	13948,6	SSPA-017089	UR20-058893	S235JR	306	472	28,3											
2		20.0 mm Plaka	1500x6000	B000365177	PA01259-201	1425	SSPA-017089	UR20-057277-002-001	S235JR	292	445	30,8											
3		25.0 mm Plaka	1500x6000	B000397954	PA02412-204	7126,4	SSPA-017089	UR20-062882-052-001	S235JR	298	459	31,8											
4																							
5																							

Kimyasal ve Diğer Testler / Chemical and Other Tests

Kimyasal ve Diğer Testler / Chemical and Other Tests																													
Sıra Item	Barkod Barcode	C %	Si %	S %	Mn %	P %	Al %	Cr %	Mo %	Ni %	Cu %	N %	Ti %	V %	Nb %	Ceq %	CEIW %	CEPCM %	M	Heat Treatment		VOC	FT	BD	EX	Non Destructive Testin			B
																				Type	Temp.					ECT	UT	PA	
1	B000374234	0,17	0,02	0,008	0,90	0,014		0,01	0,006	0,01	0,02		0,001	0,001	0,001	0,321													
2	B000365177	0,17	0,02	0,004	0,70	0,023		0,10	0,020	0,11	0,42		0,001	0,003	0,001	0,346													
3	B000397954	0,16	0,02	0,002	0,80	0,012		0,06	0,018	0,08	0,24		0,001	0,005	0,001	0,330													
4																													
5																													

G İyi/Good
YS :Akma Muk./Yield Strength(N/mm²)
TS :Çekme Muk./Tensile Strength(N/mm²)
E :Uzama/Elongation (%)
B: Havsalı/ Bevelled
VDC: Görsel Kontrol/ Visual/Dimensional Check
EK: Geniletme/ Expanding
HT: Hidrostatik Test/ Hydrostatic Test(Bar)
IE :Darbe Enerjisi/Impact Energy
TT :Test Sıcaklığı/ Test Temp.for Impact Testing
HT TIME: Saniye/ Second
FT: Yassılma/ Flattening
BD: Bükme/Bending

WS: Kaynak Dikisi/Weld Seam
FB: Tüm Gövde/Full Body
M: Markalama/Marking
PA/PPB: Paket (ç) adedi/Pieces per bundle
L: Boyunlu/Longitudinal
T: Enine/Transverse
WS: Kaynak Dikisi/Weld Seam
ECT: Eddy Current Test
UT: Ultrasonic Test
PA: Phased Array
R: Düz/Flat
P: Boru/Pipe

EN 10219-1 CE Kapsamı/Scope:
20mmX20mm' den - 120mmX120mm 'ye kadar,
kalınlık 1,50 mm'den 6 mm'ye kadar: kare profil
From 20mmX20mm up to 120mmX120mm
Thickness: from 1,50mm up to 6mm square profile
10mmX30 mm 'den 100x150 mm'ye kadar,
kalınlık 1,50 mm'den 6 mm'ye kadar: dikdörtgen profil
From 10mmX30mm up to 100mmX150mm
Thickness: from 1,50mm up to 6mm rectangular profile
Ø 19mm'den -Ø 165,1mm'ye kadar
kalınlık 1,50 mm'den 6 mm'ye kadar: kare dairesel profil
From Ø 19mm Ø165,1 mm
Thickness: from 1,50mm up to 6mm circular profile

Onay/Approved By

Kalite Müdürü/Quality Manager
OĞUZ KEMAL ÖNER
oguzoner@sonmezlermetal.com.tr

SÖNMEZLER METAL DEMİR ÇELİK
İNŞ. SAN. VE TİC. A.Ş.
19 Mayıs Mah. Gebze Sok. No:4
KAPALI ÇELİK FABRİKASI
Tic. Sic. No: 221168 Şişli Sic. No: 5779280500820001
KURUMSAL V.D. : 779 080 5008

Bu Sertifika SÖNMEZLER METAL DEMİR ÇELİK İNŞ SAN VE TİC. A.Ş. tarafından üretilen standartlara ve sipariş kontratına uygun olduğunu teyit ederiz.
These results are certified by SÖNMEZLER METAL DEMİR ÇELİK İNŞ SAN VE TİC. A.Ş. and comply with the requirements of the product description.

EN 10204 : 2004 TYPE 2.2



UNCLASSIFIED

STEEL GRADES & SPECIFICATIONS: S235 OR S275 OR S355

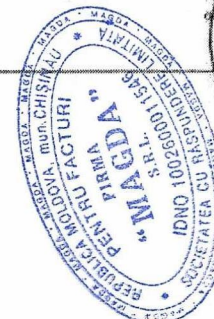
TYPE OF PRODUCT, DESCRIPTION: HOT ROLLED STEEL SHEETS/PLATES

© 2004 Lynette Wright Smith
 Boston, MA • New York, NY • Chicago, IL

DATE: 10/25/23
REPORT NO: 6235

WE (SUPPLIER) HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE BASIC OXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF DIN EN 10346:2015 AND STATED GRADES BY MANUFACTURER

NOTE: T = Top, M = Middle, E = End, T = Transverse, L = Longitudinal, P.S. = Piece of Steel, P.P. = Piece of Plate



[Handwritten signature]



Adress : Barış Mahallesi.1805/3 Sokak.No:5/A Gebze Kocaeli.
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Web :www.sonmezlermetal.com.tr

MALZEME TEST SERTİFİKASI MILL TEST CERTIFICATE

Müşteri Adı ve Adresi:
Name and Address of the Customer:

LLC METALICA-ZUEV
MD-2028, Moldova, Chisinau st. G. Asaki, 62 - 22



2797 CPR 795327

0086 CPR 784543

EN 10219 NO: 2797 CPR 795327

EN 10219 DOP NO: SNM.DOP.001

Sertifika No/Certificate No : 464
Sayfa/Page : 1
Sevk Tarihi/Date of Dispatch : 23.01.2024
Sertifika Tarihi/Certificate Date : 23.01.2024
Sertifika Normu/Certificate Norm : EN 10204:2004/3.1
Satış Belgesi/Order No : SSPA-017864
Sefer Numarası/Shipment No : RGR789

Ürün Bilgisi ve Mekanik Testler/Product Information and Mechanical Tests

Sıra Item	Tip Type	Ebat Size	Barkod Barcode	Döküm Heat	KG	Lot No	Üretim Normu Production Norm	Kalite Steel Grade	YS N/mm ²	TS N/mm ²	E %	N. Bölgesi S. Location	N. Yönü S. Direction	N. Şekli S. Type	IE 1 J	IE 2 J	IE 3 J	IE AV J	TT °C	N. Şekli S. Type	N. Geniştir S. Width	HT BAR	HT TIME Sec.
1		10.0 mm Plaka	1500x6000	B000437750	PE20439-011	10620	SSPA-017864	UR20-069622-001-001	S235JR	305	420	33,2											
2		10.0 mm Plaka	1500x6000	B000436389	PE20439-011	11330	SSPA-017864	UR20-069622-001-002	S235JR	305	420	33,2											
3																							
4																							
5																							

Kimyasal ve Diğer Testler / Chemical and Other Tests

Sıra Item	Barkod Barcode	C %	Si %	S %	Mn %	P %	Al %	Cr %	Mo %	Ni %	Cu %	N %	Ti %	V %	Nb %	Coq %	CEIW %	CEPCM %	M	Heat Treatment		VDC	FT	BD	EX	Non Destructive Testin			B
																				Type	Temp.					ECT	UT	PA	
1	B000437750	0,16	0,01	0,012	0,61	0,018		0,03	0,006	0,02	0,06		0,001	0,002	0,002	0,270													
2	B000436389	0,16	0,01	0,012	0,61	0,018		0,03	0,006	0,02	0,06		0,001	0,002	0,002	0,270													
3																													
4																													
5																													

G iyi/Good

YS :Akma Muk./Yield Strength(N/mm²)

TS :Çekme Muk./Tensile Strength(N/mm²)

E :Uzama/Elongation (%)

B :Havsalı/Bevelled

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TT :Test Sıcaklığı/ Test Temp.for Impact Testing

HT TIME: Saniye/ Second

FT: Yassılma/ Flattening

BD: Bükme/Bending

WS: Kaynak Dikisi/Weld Seam

FB: Tüm Gövde/Full Body

M: Markalama/Marking

PIAPPB: Paket içi adet/Pieces per bundle

E: Boyunlu/Longitudinal

T: Enine/Transverse

WS: Kaynak Dikisi/Weld Seam

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UT: Ultrasonic Test

PA: Phased Array

F: Düz/Flat

P: Boru/Pipe

EN 10219-1 CE Kapsam/Scope:

20mmX20mm' den - 120mmX120mm' ye kadar,
kalınlık 1,50 mm'den 6 mm'ye kadar kare profil
From 20mmx20mm up to 120mmx120mm
Thickness: from 1,50mm up to 6mm square profile
10mmX30 mm' den 100x150 mm'ye kadar,
kalınlık 1,50 mm'den 6 mm'ye kadar dikdörtgen profil
From 10mmx30mm up to 100mmx150mm
Thickness: from 1,50mm up to 6mm rectangular profile
Ø 19mm'den -Ø 165,1mm'ye kadar
kalınlık 1,50 mm'den 6 mm'ye kadar kare profil dairesel profil
From Ø 19mm Ø165,1 mm
Thickness: from 1,50mm up to 6mm circular profile

Onay/Approved By

Kalite Müdürü/Quality Manager

OGUZ KEMAL ÖNER

oguzoner@sonmezlermetal.com.tr

Bu Sertifika SÖNMEZLER METAL DEMİR ÇELİK İNŞ SAN VE TİC. A.Ş. tarafından üretilen standartlara ve sipariş kontratına uygun olduğunu teyit ederiz.
These results are certified by SÖNMEZLER METAL DEMİR ÇELİK İNŞ SAN VE TİC. A.Ş. and compl with the requirements of the product description.

Manufacturer: BAS STEEL PROFILE SRL str.Vozalinea 28, Taraclia, Moldova Phone:+373 78 436 481		MILL'S TEST CERTIFICATE (ACC.TO EN10204 / 3.1)		Transport:			
Customer: METALICA-ZUEV		No. 2031 Date: 22.03.2024		B03-B06		B12	
Contract No. 1D Specification № 0015/1D Order No. Destination Moldova		A06 Welded cold sized tubes STEEL Grade S235JRH, Direct welded A07 Package wrapped with 6 straps through the side 100% NDT on the weld seam. NDT on the weld seam acc. EN ISO 1089, Plain ends, straight cut from mill		Total weight, Kg 22624		Total Length, m 1 728,00 (meters)	
				Pieces: 144 Bundles: 9		EN 10219-1/2 S235JRH	
						2174	

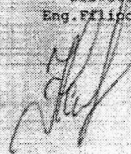
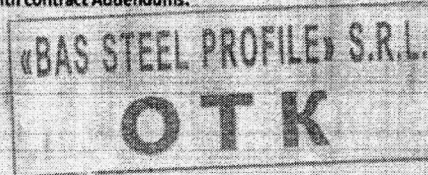
Mechanical Test											
B09	B10	Steel	B07	Heat	C02	C03	C11	C12	C13	D02	D03
Dimension(mm)	W.T.(mm)	Grade	Nr. Bundles	Direction of the		Test	ReH	Rm	A	Ra	Hydraulic
				test pieces		temperature				µm	sure, bar, min.
140x100	4	S235JRH	0019\152	813288-9	L	ambient	289	402	30	-	
140x100	4	S235JRH	0020\152	813288-9	L	ambient	289	402	30	-	
140x100	4	S235JRH	0021\152	813288-9	L	ambient	289	402	30	-	
140x100	4	S235JRH	0018\152	813288-9	L	ambient	289	402	30	-	
140x100	4	S235JRH	0017\152	713423	L	ambient	284	378	36	-	
140x100	4	S235JRH	0016\152	713423	L	ambient	284	378	36	-	
140x100	4	S235JRH	7\152	813288	L	ambient	294	427	29	-	
140x100	4	S235JRH	0014\152	813288	L	ambient	294	427	29	-	
140x100	4	S235JRH	0015\152	813288	L	ambient	294	427	29	-	



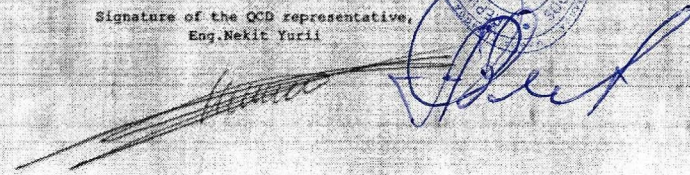
We state on our sole responsibility that the delivered products are in conformity with production standards or with contract Addendums.

Visual inspection: checked without any objection
 Tolerances on dimensions and shape: pass

Drawn by:
 Eng. Filipov Nicolai

Signature of the QCD representative,
 Eng. Neki Yuri




Manufacturer: BAS STEEL PROFILE SRL str.Vocalinaia 28, Taraclia, Moldova Phone:+373 78 436 481		MILL'S TEST CERTIFICATE (ACC.TO EN10204 / 3.1)		Transport:			
Customer: METALICA-ZUEV		No. 2031 Date: 22.03.2024		B03-B06		B12	
Contract No. 1D Specification № 0015/1D Order No. Destination Moldova		A06 Welded cold sized tubes STEEL Grade S235JRH, Direct welded A07 Package wrapped with 6 straps through the side 100% NDT on the weld seam. NDT on the weld seam acc. EN ISO 1085 , Plain ends, straight cut from mill		Total weight, Kg 22624		Total Length, m 1 728,00 (meters)	
				Pieces: 144 Bundles: 9		EN 10219-1/2 S235JRH  2174	

						Chemical Composition										
						C71-C92										
B09	B08	Steel	B07			C	Si	Mn	S	P	Cr	Ni	Cu	As	N	Al
Dimension(mm)	W.T.(mm)	Grade	Nr. Bundles		Heat	x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x1000	x1000
140x100		4 S235JRH	0019\152		813288-9	12,0	2,0	43,0	27,0	19,0	3,0	1,0	1,0		9	
140x100		4 S235JRH	0020\152		813288-9	12,0	2,0	43,0	27,0	19,0	3,0	1,0	1,0		9	
140x100		4 S235JRH	0021\152		813288-9	12,0	2,0	43,0	27,0	19,0	3,0	1,0	1,0		9	
140x100		4 S235JRH	0018\152		813288-9	12,0	2,0	43,0	27,0	19,0	3,0	1,0	1,0		9	
140x100		4 S235JRH	0017\152		713423	12,0	1,4	38,0	24,0	18,0	2,0	1,0	1,0		9	
140x100		4 S235JRH	0016\152		713423	12,0	1,4	38,0	24,0	18,0	2,0	1,0	1,0		9	
140x100		4 S235JRH	7\152		813288	12,0	2,0	43,0	27,0	19,0	3,0	1,0	1,0		9	
140x100		4 S235JRH	0014\152		813288	12,0	2,0	43,0	27,0	19,0	3,0	1,0	1,0		9	
140x100		4 S235JRH	0015\152		813288	12,0	2,0	43,0	27,0	19,0	3,0	1,0	1,0		9	



«BAS STEEL PROFILE» S.R.L.
OTK

Manufacturer: BAS STEEL PROFILE SRL str.Voczalinaia 28, Taraclia, Moldova Phone:+373 78 436 481		MILL'S TEST CERTIFICATE (ACC.TO EN10204 / 3.1)		Transport:			
		No. 2031 Date: 22.03.2024		B03-B06		B12	
Customer: METALICA-ZUEV		A06 Welded cold sized tubes STEEL Grade S235JRH, Direct welded		Total weight, Kg 22624		Total Length, m 1 728,00 (meters)	
Contract No. 1D Specification № 0015/1D Order No. Destination Moldova		A07 Package wrapped with 6 straps through the side 100% NDT on the weld seam. NDT on the weld seam acc. EN ISO 1085 , Plain ends, straight cut from mill		EN 10219-1/2 S235JRH		 2174	

Product description													
Nr.	B07		B01-B02		B09	B10		B11		B08		B12	B13
crt.	Nr. Bundles	Heat	Product	Dimension(mm)	Thickness(mm)	Length(mm)	Deviation		Bundles	Pieces	Netto Weight (Kg)	Brutto weight, kg	Meters
1	0019\152	813288-9	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2500	-	192
2	0020\152	813288-9	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2477	-	192
3	0021\152	813288-9	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2510	-	192
4	0018\152	813288-9	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2491	-	192
5	0017\152	713423	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2515	-	192
6	0016\152	713423	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2543	-	192
7	7\152	813288	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2496	-	192
8	0014\152	813288	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2541	-	192
9	0015\152	813288	S235JRH-EN 10219-1/2	140x100	4	12 000	+50/-0		1	16	2551	-	192



«BAS STEEL PROFILE» S.R.L.
OTK

CERTIFICAT DE INSPECTIE / INSPECTION CERTIFICATE
SR EN 10204:2005 (EN 10204:2004) 3.1

ArcelorMittal HUNEDOARA S.A:
Quality Inspection & Statistics
Hunedoara-Romania Cod 331111

stinatar / Destined to:
Thyssenkrupp Materials Romania
resa/Address: b-dul Basarabiei, 256, 030171, BUCURESTI
ra/State: România
gon/Wagon / Auto/Truck:
03VYD/HD09VYD

Nr. / No.: 1450092081 Data / Date: 14.03.2024
Comanda nr. / Order no.: 5332 Comanda data / Order date: 23.01.2024

ndard de marca / Material norm: SR EN 10025-2:2019

rcaj color:

IP: AMHU-2/05 CPR-13-1

servatii / Remarks:

Nr.Sarja / Heat No	Marca / Quality	Produs / Product	Buc. / Pieces	Cantitate / Quantity [to]	Lungime / Length [mm]	Toleranta la lungime / Tolerance To length [mm]	Incerari mecanice/Mechanical tests								
							ReH	Rm	A5	Incovoiere prin soc / Charpy impact test					
										[N/mm ²]	[N/mm ²]	[%]	Tip epruveta / Type of sample	Temp [°C]	KV1 [J]
73266	S275JO+M	IPE300	8	4.102	12100	-0 / +100	333	455	32,0	300/10	0	76,0	72,0	64,0	70,7

Compozitie chimica pe otel lichid/Chemical analysis of the liquid steel [%]

rt / om	Nr.Sarja / Heat No	C	Mn	Si	S	P	Cr	Ni	Cu	Mo	Ti	V	Al	Sn	B	Nb	N	O(ppm)	H(ppm)	CEV
1	73266	0,150	0,580	0,220	0,015	0,017	0,070	0,090	0,350	0,020	0,001	0,003	0,002	0,014	0,0002	0,0008	0,0085			0,295



I hereby declare that the invoiced goods are processed without incorporating iron and steel products originating in Russia or Belarus and that the invoiced goods are in conformity with the EU Regulation no. 833/2014 of July 2014 and all further amendments accordingly.

Intended uses: Structuri metalice si/sau structuri mixte otel-beton/Metalic structures and/or mixed structures steel-concrete

Durability: Compozitie chimica / Chemical analysis

Weldability: CEV

Substance: Performanta nedeterminata/No performance determined

Marked: SR EN 10025-1:2005 (EN 10025-1:2004)

Surface: SR EN 10163-3:2005, clasa C, subcl.1 (EN 10163-3:2004)

Dimension: SR EN 10365/2017; EN 10365/2017

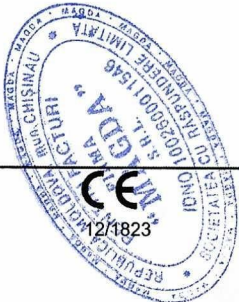
Dimension and shape: SR EN 10034/1995; EN 10034/1993

Material above mentioned has not displayed any radioactivity

Quality Inspection & Statistics
Quality Manager: Ileana Cristea Eng.

Intocmit/Elaborate:

FLORIN VIOREL DRAGOI



 YESİL MAHALLE SANAYİ BÖLGESİ NO:50 78000 KARABÜK, TURKEY		MILL TEST CERTIFICATE		DATE: 20.02.2023
		THE INSPECTION CERTIFICATE AS PER EN 10204 CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10168		REF: 2310375

CUSTOMER:	TO WHOM IT MAY CONCERN	CERTIFICATE NO: 273-2023
		COMMODITY: HOT ROLLED STEEL U CHANNELS

CHEMICAL COMPOSITION													
MECHANICAL PROPERTIES				PRODUCT ANALYSIS									
TENSION TEST	CHARPY TEST(1)	FATIGUE TEST		RE-BEND TEST		BEND TEST		VALUE (JOULE)		TEST PIECES WIDTH (mm)			
		ELONGATION		Rm / Re		TENSILE S.(Rm)		YIELD S. (Re)		ORIENTATION(2)			
QUALITY				SIZE IN MM									
PRODUCT NAME				UPEAA		140,0		U CHANNELS					
HEAT NUMBER:				2202446		U CHANNELS							
TEST PIECES NO				1		2202446		U CHANNELS					
				0,12		0,18		0,5126		0,012			
				%		%		%		%			
				C		Si		Mn		P			
				S		Ti		Cu		Ni			
				Cr		Mo		V		Al			
				W		Nb		N		CARBON EQUIVALENT			
				%		%		%		%			
				0,008		0,0001		0,004		0,0023			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10		0,004			
				0,003		0,04		0,10					