



The testing laboratory is accredited to standards with
the designation of ISO 9001:2015

Продукція виготовлена в умовах сертифікованих систем менеджменту якості, навколишнього середовища та безпеки. The products were manufactured in controlled conditions of certified quality, environment and safety management system.

(A01)
ТОВАРИСТВО З ОБМЕЖЕНОЮ ВІДПОВІДАЛЬНІСТЮ
"ІНТЕРПІП НІКО ТЮБ" (A02)
Юридична адреса:
пр. Трубіників, 56, м. Нікополь, Україна, 53200
Адрес виробництва:
вул. Каштанова, 35, м. Дніпро, Україна, 49081
Контактна інформація: +38(0562)35-85-
07.quality@interpipe.biz
LIMITED LIABILITY COMPANY "INTERPIPE NIKO TUBE"
Legal address: Trubnykiv Av., 56, Nikopol, Ukraine, 53200
Facility address: Kashtanova St., 35, Dnipro, Ukraine, 49081
Contact information: +38(0562)35-85-
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ІНСПЕКЦІЙНИЙ СЕРТИФІКАТ
INSPECTION CERTIFICATE
EN 10204-2004/3.1

No: 1536/5 (A03)
Аркуш / Page 1
Дата / Data 25.07.2022
EN 10204-2004/3.1

Випробування на удар/Impact test

(B07.1) Номер платки Heat#	(C00.1) Номер партії Lot#	(C02) Орієнтація зразка Specimens orientation*	(C40) Тип надрізання, температура Type of notch, temperature	Норматив Norm	Випробування на удар (Ударна в'язкість) Impact test (Impact strength)				(C44) Площа зсуву Shear area	(C41) Ширина смугового зразка Width of slip specimen
					(C42) 1	(C42) 2	(C42) 3	(C43) сер.знач./av.		
				min	Дж	Дж	Дж	Дж	%	мм/mm
1221515	883	L	KV -20	27	58,8	57,6	53,6	56,7		5x10
1221515	883	L	KV 0	40	81,6	86,4	77,6	81,9		5x10
1221517	890	L	KV -20	27	60,0	52,8	56,4	56,4		5x10
1221517	890	L	KV 0	40	55,2	70,8	66,0	64,0		5x10

* L - поздовжній зразок/Longitudinal specimen; T - поперечний зразок/transverse specimen

** Результати випробувань зменшених зразків перераховані на повнорозмірні/Non-fullsize specimens results convert to fullsize (10x10mm)

(C50,D55)

Інші види контролю / Other tests

Вид випробування/ Type of test	Параметри/ Criteria	Результати контролю/ Test results
Сплюснення/ Flattening test	За стандартом / As per Standard	100% Задовільно / Satisfactory
Роздача/ Drift expanding	За стандартом / As per Standard	100% Задовільно / Satisfactory
Випробування гідростатичним тиском/ Hydrostatic test	100%/ 7.0 MPa / 5 sec	100% Задовільно / Satisfactory
Візуальний контроль/ Visual inspection	За стандартом / As per Standard	100% Задовільно / Satisfactory
Контроль геометричних параметрів/ Dimensional inspection	За стандартом / As per Standard	100% Задовільно / Satisfactory

(A04,B06)

Маркування фарбою/ Marking paint

INTERPIPE NIKO TUBE EN 10216 S275 J2H EN 10216-1 P265 TR2 EN 10216-2 P265GH TC1 EN 10297-1 E275+N heat No. stamp QD pipe No

Conformance symbol CC

(Z01)

Труби виготовлені і випробувані відповідно до вимог EN 10210-1:2006/ EN 10210-2:2019/ EN 10216-1:2013/ EN 10216-2:2013+A1:2019/ EN 10297-1:2003 і замовлення / Pipes were produced and inspected according to requirements of EN 10210-1:2006/ EN 10210-2:2019/ EN 10216-1:2013/ EN 10216-2:2013+A1:2019/ EN 10297-1:2003 and order's requirements

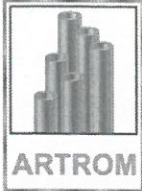
(A05,Z02,Z03)

Дата/Data	Підпис особи, відповідальної за видачу сертифікату /Signature of Certificate inspector Гриценко А.О./Gricenko A.A.
25.07.2022	

Вказівка в дужках відповідає кодам згідно EN 10168 /Indication in parentheses correspond to sttributes according to EN 10168.

(Z05)

Ваші пропозиції щодо поліпшення продукції просимо надсилати на ел.адресу / Please send Your proposals for improving the product by e-mail or fax or by phone info@nsp.interpipe.biz
www.interpipe.biz Phone: +380 566 839 133 Fax: +380 566 839 379 e-mail: info@nsp.interpipe.biz Phone: +38(056)74-74-066 Fax: +38(056)770-20-01 Цей інспекційний сертифікат
стосується лише перерахованої в ньому продукції. Неприпустимо внесення змін або інше неправомірне використання сертифіката. / This inspection certificate is only for the listed
products. Modification or unauthorized use of the certificate is strictly prohibited. Violations can be considered as forgery and is subject to prosecution


ARTROM STEEL TUBES S.A.

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 Subscribed and Paid Share Capital: 291.587.538,34 lei

INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No.: I 1261 Date: 16.02.2024	Manufacturer's mark :	Customer Order No.: 276/260	PL: 0204
CUSTOMER: NIMFA-COM SRL			
Specifications: API 5L 46th Ed. April 2018 ASTM A106-19; ASME SA-19 ASME B36.10M-18 EN 10216-2: 13 (opt.14);		Dimensions: 88.9 x 4 x 12 000 +100/-0 mm Steel, PSL: Gr. B PSL1/ Steel: Gr. B / P265GH TC1	
Description: Hot rolled seamless steel pipes with bevelled ends; unprotected; marking by painting: ARTROM, standard, dimensions, steel grade, SMLS, heat no., LOT, LENGTH (m), mill inspector no. 5, technical control sign /standard, steel grade, 8.38 Kg/m, 3", TEST PRESSURE 21.5 MPa			
Heat No.: A57720	Lot: 468007	Steel melt and rolled in Romania	
Quantity	Pcs	Length m	Weight kg
	44	528.00	4412

Ladle Chemical Analyse (%)

C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
0.19	1.08	0.003	0.014	0.24	0.07	0.05	0.01	0.25	0.024	0.002	0.001	0.003	0.0003
Cr+Cu+Mo+Ni: 0.38 V+Nb: 0.005 V+Nb+Ti: 0.006 CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15=0.404													

Product Chemical Analyse (%)

C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
0.19	1.07	0.006	0.017	0.23	0.07	0.05	0.01	0.27	0.022	0.002	0.002	0.002	0.0003
0.19	1.09	0.005	0.017	0.23	0.07	0.05	0.01	0.27	0.022	0.001	0.001	0.002	0.0003

Mechanical Properties

TENSILE TEST (1. ASTM A370 / 2. EN ISO 6892-1)		Rp0.2	Rt0.5	Rm	A
- at room temperature- Test Specimen / Strip - Longitudinal		N/mm ²	N/mm ²	N/mm ²	%
Dimension-Specimen (mm): 1. 19.25 x 4.25 / 2. 15.25 x 4.25		1. -	404	536	32
Section-Specimen (mm ²): 1. 82.52 / 2. 65.16					
Length-Specimen (Lo) (mm): 1. 50.8 / 2. 45		2. 410	-	542	31

Heat treatment: normalized during hot rolling process with temperature between 880 ^o -940 ^o C and cooled in still air	Charpy V- Notch (ASTM A370) KV/Longitudinal 2.5 x 10 [mm] 31 (32; 32; 28) J (-20 ^o C)	Melting process: electric arc furnace, fully killed
Hydraulic test pressure: (ASTM A530): 21.5 MPa for 5 sec.: OK	KVc/Longitudinal 10 x 10 [mm] 123 (128; 128; 112) J (-20 ^o C)	Hardness HRB: 85 - 86
Flattening test (EN ISO 8492): OK		Hardness HRC max 22 (acc to NACE MR0175/ISO 15156)
Drift expanding test (EN ISO 8493): OK		NACE MR0103/ISO 17945
		Grain size ASTM E 112: 9.0

Visual inspection and dimensional check: OK

NO WELD REPAIR ON HEREBY CERTIFIED TUBES

The manufacturer of pipes is certified in acc. with ISO 9001: 2015, 14001:2015 and ISO 45001:2018

The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability"

Our tubes are rolled from steel with low carbon footprint, carefully melted in our own Romanian facilities only by recycling the ferrous scrap.

Our products mentioned on this document do not incorporate steel products originating in Russia, fully complying with the Regulation (EU) No 833/2014

Chief of QC & Testing of the Metallurgical Tubes Products

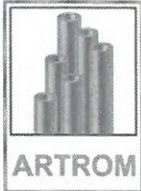
Dipl. Eng. Silviu Barbulescu

MILL INSPECTOR

Eng. Constantin Lupu

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ARTROM STEEL TUBES S.A.

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INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No: I 5242 Date: 09.08.2024	Manufacturer's mark:	Customer Order No.: 292	PL: 0962
CUSTOMER: NIMFA-COM SRL			
Specification: EN 10210-1:06/ EN 10210-2:19/ EN 10216-3:13/ EN 10216-2:13/ EN 10216-1: 13/ ASTM A106: 19/EN 10297-1: 03/ ISO 3183:19+ PED 2014/68/EU+AD 2000W0/W4+VdTUV 352-2		Dimensions: 33.7 x 3.2 x 6 000+100/-0 mm Steel: S275J2H/ P275NL1 TC1/ P235GH TC1/ P265GH TC1/ P235TR2/ P235TR1/ P265TR2/ P265TR1/ Gr. B/ E275/ L245 PSL1	
Description: Hot rolled seamless steel pipes with bevelled ends; unprotected; marking by painting at one end: ARTROM, standard, dimensions, steel grade, 2.41 Kg/m, TEST PRESSURE 17.0 MPa, SMLS, heat no, LOT, LENGTH(m), mill inspector no. 5, technical control sign			
Heat No.: R62563	Lot: 547235	Steel melt and rolled in ROMANIA	
Quantity delivered	Pcs.	Length - m	Weight- Kg
	120	720.00	1756

Ladle Chemical Analysis [%]

C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	N	V	B	CE
0.13	0.51	0.002	0.010	0.21	0.07	0.07	0.02	0.24	0.026	0.001	0.001	0.009	0.001	.0003	0.254

Product Chemical Analyse (%)

C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
0.13	0.52	0.005	0.010	0.22	0.07	0.08	0.01	0.24	0.025	0.001	0.001	0.003	0.0003
0.12	0.52	0.004	0.009	0.22	0.07	0.08	0.01	0.24	0.025	0.001	0.001	0.003	0.0005

Mechanical Properties

TENSILE TEST (1. EN ISO 6892-1/2. ASTM A370) - at room temperature: Test Specimen / Strip-longitudinal		Rp0.2 N/mm ²	Rm N/mm ²	A %
Dimension (mm): 1. 15.35 x 3.30 / 2. 19.25 x 3.25		1. 393	473	36
Section (mm ²): 1. 52.83 / 66.78				
Length - (Lo) (mm): 1. 40 / 2. 50.8		2. 371	475	35
Drift expanding test (EN ISO 8493)	Flattening test (EN ISO 8492)	Charpy V - Notch (EN ISO 148-1) KV/Longitudinal 2.5 x 10 [mm]		
OK	OK	Charpy V - Notch (EN ISO 148-1) KVc/Longitudinal 10 x 10 [mm]		
28 (28; 26; 29) J (0° C)		111 (112; 104; 116) J (0° C)		
Heat treatment: normalized during hot-rolling process, temperature between 880°C - 940°C and cooled in still air Hydraulic test pressure (ASTM A530): 17.0 MPa for 5 sec: OK Grain size ASTM E 112: 9.0/ Bending test (ASTM A106 point 11): OK		Melting process: electric arc furnace, fully killed Hardness HRB: 75-76 Hardness HRC max. 22 (acc. NACE MR0175/ISO15156:2022 NACE MR0103/ISO 17945:2015)		

Visual inspection and dimensional check: OK

The manufacturer of pipes is certified in acc. with ISO 9001: 2015, ISO 14001:2015 and ISO 45001:2018

NO WELD REPAIR ON HEREBY CERTIFIED TUBES

The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability"

Our tubes are rolled from steel with low carbon footprint, carefully melted in our own Romanian facilities only by recycling the ferrous scrap.

Our products mentioned on this document do not incorporate steel products originating in Russia, fully complying with the Regulation (EU) No 833/2014

Chief of QC & Testing of the Metallurgical Tubes Products

Dipl. Eng. Silviu Barbulescu

MILL INSPECTOR

Eng. Constantin Lupu

"Issued in agreement with TÜV SÜD Industrie Service GmbH (02/98)"

"QS approved acc. to PED, Annex I, Para. 4.3 by Notified Body 0036"

"(Certification no. DGR-0036-QS-W 62/2002/MUC)"

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CE 0036- CPR-M-008-2007	
ARTROM STEEL TUBES S.A. Draganesti Street, No. 30, 230119, SLATINA, OLT, ROMANIA 24 No. 4-7E / CPR 02-05-23	
EN 10210-1:2006	
S275J2H / 1.0138 intended to be used in metal structures or in composite metal and concrete structures	
Tolerances: Elongation: Tensile strength: Yield strength: Impact strength: Weldability: Durability: Dangerous substance: No performance determined	expressed as indicated in the DoP



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EUID: ROONRC.J28/9/1991; J28/9/31.01.1991

VAT No. RO 1510210/1992

Subscribed and Paid Share Capital: 291.587.538,34 lei

INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No: I 207 Date: 16.01.2023	Manufacturer's mark:	Customer Order No.: 196PROD/17.11.2022	PL: 0041
CUSTOMER: NIMFA-COM SRL			
Specification: EN 10210-1:06/ EN 10210-2:19/ EN 10216-3:13/ EN 10216-2:13/ EN 10216-1:13		Dimensions: 108 x 6.3 x 12 000+100/-0 mm Steel: S355J2H/ P355NH TC1/ P265GH TC1/ P265TR2	
Description: Hot rolled seamless steel pipes, unprotected; marking by painting at one end: manufacturer's mark, standard, steel grade, heat no, LOT, LENGTH (m), mill inspector no. 5, technical control sign			
Heat No.: A59804		Steel melt and rolled in ROMANIA	
Quantity delivered	Pcs.	Length - m	Weight- Kg
	12	144.0	2294

Ladle Chemical Analysis [%]

C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	CE
0.19	1.31	0.003	0.011	0.22	0.08	0.09	0.02	0.18	0.023	0.002	0.002	0.003	0.448

Cr+Cu+Mo+Ni=0.37

Nb+V=0.005

Nb+V+Ti=0.007

Mechanical Properties

TENSILE TEST (EN ISO 6892-1) - at room temperature Test Specimen / Strip-longitudinal		R _{p0.2} N/mm ²	R _m N/mm ²	A %
Dimension (mm): 10.20 x 6.40		408	553	30
Section (mm ²): 65.39				
Length - (Lo) (mm): 45				
Drift expanding test (EN ISO 8493)	Flattening test (EN ISO 8492)	Charpy V- Notch (EN ISO 148-1) KV/Longitudinal 5 x 10 [mm]		
OK	OK	73 (76; 73; 69) J (0° C) 58 (57; 61; 55) J (-20° C)		
Melting process: electric arc furnace, fully killed Hydraulic test pressure (70 bar) for 5 sec: OK Heat treatment: normalized during hot rolling process, temperature between 880°C - 940°C and cooled in still air		Hardness HBW: 167-170 Hardness HRC max 22 (acc to NACE MR0175/ISO 15156) NACE MR0103/ISO 17945 Grain size ASTM E 112: 8.5		

Visual inspection and dimensional check: OK

The manufacturer of pipes is certified in acc. with ISO 9001: 2015, ISO

14001:2015 and ISO 45001:2018

NO WELD REPAIR ON HEREBY CERTIFIED TUBES

The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability"

Chief of QC & Testing of the Metallurgical Tubes Products

Dipl. Eng. Silviu Barbulescu

MILL INSPECTOR

Eng. Constantin Lupu

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0036- CPR-M-008-2007

TMK-ARTROM S.A. Draganesti Street, No.30,
230119, SLATINA, OLT, ROMANIA22
No. 6-5E / CPR 18-05-22

EN 10210-1:2006

S355J2H / 1.0576

intended to be used in metal structures or in composite metal and concrete structures

Tolerances:

Elongation:

Tensile strength:

Yield strength:

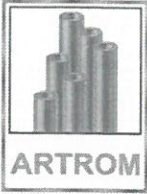
Impact strength:

Weldability:

Durability:

Dangerous substance: No performance determined

expressed as indicated
in the DoP



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 Subscribed and Paid Share Capital: 291.587.538,34 lei



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INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No: I 4354						
Part 1						
Page no.: 1/1						
Date: 28.06.2024						
Customer: NIMFA-COM SRL				Order no.: 284		
Manufacturer: ARTROM STEEL TUBES S.A.				Works no.: 570669		Packing list no.: 0761
Manufacturer's mark:						
Specifications techniques: PED 2014/68/EU (Appendix 1, par. 4.3 & 7.5) + AD 2000W0-W4 + EN 10216-2: 13						
Steel grade: P265GH TC1/ P235GH TC1						
State of delivery:						
Heat treatment: normalized during hot rolling process						
Description: Hot rolled seamless steel pipes; unprotected; marking at both ends: manufacturer's mark, standard, steel grade, dimensions, heat no., LOT, mill inspector no. 5, technical control sign.						
Item no.	Dimensions of tubes (mm)	Heat no.	Lot no.:	Pcs.	Length - m	Weight - Kg
1.	60.3 x 4 x 6 000+100/-0	R62824	552741	10	60.00	344
Steel melt and rolled in ROMANIA						

Additional remarks: The requirements are fulfilled as per **Annex 1- Test results**

Our tubes are rolled from steel with low carbon footprint, carefully melted in our own Romanian facilities only by recycling the ferrous scrap.

Our products mentioned on this document do not incorporate steel products originating in Russia, fully complying with the Regulation (EU) No 833/2014

CHIEF OF QC & TESTING OF THE METALLURGICAL TUBES PRODUCTS

Dipl. Eng. Silviu Barbulescu



MILL INSPECTOR

Eng. Constantin Lupu



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 "(Certification no. DGR-0036-QS-W 62/2002/MUC)"

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 Subscribed and Paid Share Capital: 291.587.538,34 lei

Test Results

No.: I 4354

Part 2

Annex:1; Page no.: 1/1

Chemical Analysis (%)

	C min max	Mn min max	S min max	P min max	Si min max	Ni min max	Cr min max	Mo min max	Cu min max	Al min max	Nb min max	Ti min max	N min max	V min max
P235GH TC1 EN 10216-2	- 0.16	- 1.20	- 0.010	- 0.025	- 0.35	- 0.30	- 0.30	- 0.08	- 0.30	0.020 -	- 0.020	- 0.040	- -	- 0.020
P265GH TC1 EN 10216-2	- 0.20	- 1.40	- 0.010	- 0.025	- 0.40	- 0.30	- 0.30	- 0.08	- 0.30	0.020 -	- 0.020	- 0.040	- -	- 0.020

Ladle Chemical Analysis (%)

R62824	0.12	0.53	0.004	0.012	0.19	0.10	0.07	0.01	0.24	0.021	0.001	0.001	0.008	0.001
--------	------	------	-------	-------	------	------	------	------	------	-------	-------	-------	-------	-------

Mechanical Properties

	TENSILE TEST (EN ISO 6892-1) - at room temperature - Test Specimen Strip - Longitudinal	Rp0.2 N/mm ² min max	Rm N/mm ² min max	A long %	Charpy V (J) (EN ISO 148-1) Test Specimen
P235GH TC1 EN 10216-2		225 -	360 500	25 -	Longitudinal 10 x 10 [mm] min 40 (0 ^o C)
P265GH TC1 EN 10216-2		265 -	410 570	25 -	Longitudinal 10 x 10 [mm] min 40 (0 ^o C)
heat no: R62824	Dimension (mm): 15.6 x 4.15 Section (mm ²): 65.58 Length (Lo) (mm): 45	367	461	36	KV / Longitudinal 2.5 x 10 [mm] 27 (29; 25; 28) J (-10 ^o C) KVe / Longitudinal 10 x 10 [mm] 109 (116; 100; 112) J (-10 ^o C)
Drift expanding test Ringaufdornversuch (EN ISO 8493) OK	Ring expanding test Ringaufdornversuch (EN ISO 8495) -		Flattening test Ring faltversuch (EN ISO 8492) OK		Ring tensile test Ring zugversuch (EN ISO 8496) -

Hydraulic test pressure (80 bar for 5 sec): OK

Melting process: electric arc furnace, fully killed
 Grain size (ASTM E112): 9.0

Visual inspection and dimensional check: OK

NO WELD REPAIR ON HEREBY CERTIFIED TUBES

The manufacturer of pipes is certified in acc. with ISO 9001: 2015, ISO 14001:2015 and ISO 45001:2018

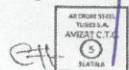
CHIEF OF QC & TESTING OF THE METALLURGICAL TUBES PRODUCTS

Dipl. Eng. Silviu Barbolescu

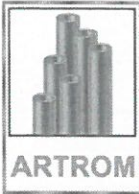


MILL INSPECTOR

Eng. Constantin Lupu



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ARTROM STEEL TUBES S.A.

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 EUID: ROONRC.J28/9/1991; J28/9/31.01.1991 VAT No. RO 1510210/19
 Subscribed and Paid Share Capital: 291.587.538,34 lei



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 Signature requested by Maria Carmen Ionescu
 on 2024.03.07 15:25:09:397402:00
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 by scanning the QR code in the left.

INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No : I 1711 Date: 29.02.2024	Sigla fabricii: Manufacturer's mark:	Comanda client nr.: 291 Customer Order No. : 291	PL: 0293
CLIENT / CUSTOMER- NIMFA-COM SRL			
Specificatii/Specification: EN 10216-2:13/ ASTM A106:19/ISO 3183:19/ PED 2014/68/EU+ AD 2000W4/		Dimensiune /Dimensions: 48.3 x 3.6 x 12 000+150/-0 mm Otel / Steel: P265GH TC1/P235GH TC1 / Gr. B/L245 PSL1	
Descriere: Tevi din otel fara sudura laminate la cald, neprotejate, sanfrenate la ambele capete: marcare prin sablonare la un capat: ARTROM, standard, otel, dimensiune, 3.97 Kg/m, 1 1/2", TEST PRESSURE 17.2 MPa, SMLS, nr. sarja, lot, LENGTH(m), inspector CTC nr. 5; marcare prin poansonare la ambele capete: sigla fabricii, otel, S, nr. sarja, Description: Hot rolled seamless steel pipes, unprotected, with bevelled ends; marking by painting at one end: ARTROM, standard, steel grade, dimension, 3.97 Kg/m, 1 1/2", TEST PRESSURE 17.2 MPa, SMLS, heat no., lot, LENGTH(m), mill inspector no. 5, technical control sign; marking at both ends: manufacturer's mark, steel grade, S, heat no.,			
Nr. Sarja / Heat No.: R61407	Lot: 528972	Otel produs si laminat in Romania/Steel melt and rolled in Romania	
Cantitatea livrata/ Quantity delivered	Bucati / Pcs.	Lungime/Length - m	Greutate / Weight- Kg
	4	48.24	192

Compozitia chimica pe otel lichid /Ladle Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
R61407	0.12	0.53	0.003	0.012	0.20	0.08	0.05	0.02	0.23	0.023	0.001	0.001	0.002	.0003

Cr+Cu+Mo+Ni=0.38

Nb+V=0.003

Nb+V+Ti=0.004

Compozitia chimica pe produs / Product Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
R61407	0.12	0.53	0.003	0.012	0.20	0.07	0.05	0.02	0.23	0.022	0.007	0.001	0.005	.0003
R61407	0.12	0.54	0.002	0.012	0.20	0.07	0.05	0.02	0.23	0.021	0.007	0.001	0.005	.0003

Caracteristici mecanice / Mechanical Properties

TENSILE TEST (1. EN ISO 6892-1/ 2. ASTM A370) - at room temperature-Tip epruveta/ Test Specimen // Fasie - longitudinal / Strip-longitudinal		Rp0.2 N/mm ²	Rt0.5 N/mm ²	Rm N/mm ²	A %
Dimensiune/ Dimension (mm) : 1. 15.60 x 3.65 / 2. 19.30 x 3.80		1. 387	-	479	36
Sectiune / Section (mm ²) : 1. 58.11 / 2. 75.66					
Lungime / Length - (Lo) (mm) : 1. 45 / 2. 50.8		2. -	382	476	37
Test largire pe dom Drift expanding test (EN ISO 8493)	Test aplatizare Flattening test (EN ISO 8492)	Test Charpy - crestatura V Charpy V - Notch (EN ISO 148-1) KV/Longitudinal 2.5 x 10 [mm]		Test Charpy - crestatura V Charpy V - Notch (EN ISO 148-1) KVc/Longitudinal 10 x 10 [mm]	
OK	OK	27 (26; 27; 27) J (-10 ⁰ C)		107 (104; 108; 107) J (-10 ⁰ C)	
Hydraulic test pressure (ASTM A530): 17.2 MPa for 5 sec: OK Heat treatment: normalized during hot rolling process Melting process: electric arc furnace, fully killed Bending test (ASTM A106 point 11): OK		Hardness HRB: 76-77 Hardness HRC max 22 (acc to NACE MR0175/ISO 15156) NACE MR0103/ISO 17945 Grain size ASTM E 112: 9.0			

Hot yield at 300°C: 296 MPa(strip longitudinal 6.60 x 3.65 = 24.18 mm²);Hot yield at 343°C: 276 MPa(strip longitudinal 6.40 x 3.70 = 23.76 mm²);Hot yield at 538°C: 196 MPa(strip longitudinal 6.25 x 3.70 = 23.20 mm²)

Visual inspection and dimensional check : OK

The manufacturer of pipes is certified in acc. with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018

The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability"

" NO WELD REPAIR ON HEREBY CERTIFIED TUBES "

Our tubes are rolled from steel with low carbon footprint, carefully melted in our own Romanian facilities only by recycling the ferrous scrap.

Our products mentioned on this document do not incorporate steel products originating in Russia, fully complying with the Regulation (EU) No 833/2014

Chief of QC & Testing of the Metallurgical Tubes Products

Dipl. Eng. Silviu Barbulescu

MILL INSPECTOR

Eng. Constantin Lupu

"Issued in agreement with TÜV SÜD Industrie Service GmbH (02/98)"

"QS approved acc. to PED, Annex I, Para. 4.3 by Notified Body 0036"

"(Certification no. DGR-0036-QS-W 62/2002/MUC)"

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A02 Inspection certificate "3.1" (EN 10 204)

A03 Document No.: 83543/21

Page: 1/1

A07	Customer's Order (P.O.) No./Item No.: 15/7/21										A08	Manufacturer's Works Order No.: 88063/0/21																	
A11	Supplier's Order No.: 3151017167										A10	Advice - Note No.: 8150080011																	
B08, B12/13	Quantity delivered: B13 Actual mass <table border="1"> <tr> <td>pcs</td> <td>mtrs</td> <td>kgs</td> </tr> <tr> <td>bdl</td> <td>feet</td> <td>lbs</td> </tr> <tr> <td>40</td> <td>475,268</td> <td>9028</td> </tr> </table>										pcs	mtrs	kgs	bdl	feet	lbs	40	475,268	9028	A06 Customer / Consignee: NIMFA - COM STR. RACARI NR.12A BL.43 SC. A ET.4 031828 BUCURESTI Romania									
pcs	mtrs	kgs																											
bdl	feet	lbs																											
40	475,268	9028																											
B09-11	Dimensions: 159,0 X 5,00 mm																												
B02	Steel designation: P275NL1 P265GH																												
B01,8 03, B04	Product, conditions and terms of delivery: Seamless steel pipes, EN 10220/02, EN 10216-2/13 TC1 + A1/0219, EN 10216-3/13 TC1, Normalized.																												
A04, B06	Marking: Manufacturer's mark, mill inspector's stamp LO 																												
C71-92 B07	Heat (H) and product (P) chemical analyses (%)										C70	Steel made by basic oxygen process, fully killed, strand cast.																	
	Heat No.:	C	MN	SI	P	S	CU	NI	CR	Alt	N	MO	V	TI	NB														
	39988K	0,16	0,86	0,206	0,017	0,005	0,10	0,05	0,07	0,026	0,0054	0,014	0,001	0,002	<0,003														
Z99																													
B07 C04	Test results:		MPa		MPa		%						C40-42 Impact test		C30-32 Hardness														
	Heat No. coo Specimen No.		Yield Point		Tensile Strength		Elongation						L-10-40J /-40°C																
	Requirements: P275NL1		min. 275		390 - 530		min. 24 (5d)																						
	P265GH		min. 265		410 - 570		min. 23 (5d)																						
	39988K	P275NL1	344		488		31,6						82		90 80 76														
		P265GH	345		483		32,4																						
Z99																													
D01	Visual and dimensional inspection with satisfactory results										X	D51	Hydrostatic test - min. test pressure MPa / sec																
C50	Flattening test (EN ISO 8492) - satisfactory										X	D02	The pipes tested on tightness by NDT flux - leakage in acc. to EN ISO 10893-1/11																
C51	Expanding test (EN ISO 8493) - satisfactory										X																		
C52	Bending test (EN ISO 8491) - satisfactory																												
C53	Ring expanding test (EN ISO 8495) - satisfactory											D03	Nondestructive Testing																
C54	Ring tensile test (EN ISO 8496) - satisfactory																												
The manufacturer has an established and certified management system according to ISO 9001:2015, ISO 14001:2015, ISO 50001:2011, ISO 45001:2018.																													
Z01	All pipes conform to the above mentioned standards and ordering requirements and agreements.																												

Z02 Date of issue 14.12.2021/LB

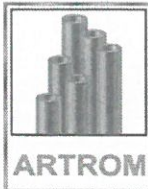
Tel.: +420 595683644

A01 Liberty Ostrava a.s.
 A05 QA Department
 Vratimovská 689/117
 719 00 Ostrava-Kunčice



Liberty Ostrava a.s.
 Vratimovská 689/117, 719 00 Ostrava - Kunčice

Bc. Petr Pastucha
 Work's Inspector



ARTROM STEEL TUBES S.A.

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 EUID: ROONRC.J1991000009283; J1991000009283; VAT No. RO 151
 Subscribed and Paid Share Capital: 291.587.538,34 lei



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 on 2025-11-18 15:37:05, 568-02:00
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INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No: I 7688 Part 1 Page no.: 1/1 Date: 13.11.2025							
CUSTOMER: NIMFA-COM SRL					Order no.: 388		
Manufacturer: ARTROM STEEL TUBES S.A. Manufacturer's mark:					Works no.: 600187		Packing list no.: 1322
Specifications techniques: EN 10210-1:06 & EN 10210-2:19 / EN 10216-2:24 / EN 10216-1:13 / EN 10297-1:03 / PED 2014/68/EU / AD 2000W4/W0							
Steel grade: S235JRH / P235GH TC1 / P265GH TC1 / P235TR1 / P235TR2 / P265TR1 / P265TR2 / E235							
State of delivery: Heat treatment: normalised temperature between 880°C - 940°C							
Description: Hot rolled seamless steel pipes; unprotected; marking by painting and one end: ARTROM, standard, steel grade, S, heat no., LOT, mill inspector no. 5, technical control sign.							
Item no.	Dimensions of tubes (mm)	Heat no.	Lot no.	Type of deoxidation	Pcs.	Length - m	Weight - Kg
1.	76.1 x 4 x 12000+100/-0	R65562	607099	FN	64	384.00	2794
Country of manufacture: Romania / Country of melt and pour: Romania							
Additional remarks: The requirements are fulfilled as per Annex 1- Test results The manufacturer of pipes is certified in acc. with ISO 9001: 2015, ISO 14001:2015 and ISO 45001:2018 NO WELD REPAIR ON HEREBY CERTIFIED TUBES The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability" Visual inspection and dimensional check: OK Our tubes are rolled from steel with low carbon footprint, carefully melted in our own Romanian facilities only by recycling the ferrous scrap using 100% certified green electricity. Our products do not incorporate steel products originating in Russia and Belarus, fully complying with the Regulations (EU) No 833/2014 and 765/2006. Steel melt by ARTROM STEEL TUBES Resita, ROMANIA. CHIEF OF QC & TESTING OF THE METALLURGICAL TUBES PRODUCTS Dipl. Eng. Silviu Barbulescu MILL INSPECTOR Eng. Constantin Lupu					 0036 - CPR - M 008.2007.004 ARTROM STEEL TUBES S.A. Draganesti Street, No. 30, 230119, SLATINA, OLT, ROMANIA 25 No. 2-9E / CPR 15-07-25 EN 10210-1:2006 S235JRH / 1.0039 intended to be used in metal structures or in composite metal and concrete structures Tolerances: Elongation: Tensile strength: Yield strength: Impact strength: Weldability: Durability: expressed as indicated in the DoP		
"Issued in agreement with TÜV SÜD Industrie Service GmbH (02/98)" "QS approved acc. to PED, Annex I, Para. 4.3 by Notified Body 0036" (Certification no. DGR-0036-QS-W 62/2002/MUC)"					Dangerous substance: No performance determined		

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EUID: ROONRC.J1991000009283; J1991000009283; VAT No. RO 1510210/1992

Subscribed and Paid Share Capital: 291.587.538,34 lei

Test Results

No: I 7688

Part 2 Annex:1; Page no.: 1/1

Chemical Analysis (%)

	C min max	Mn min max	S min max	P min max	Si min max	Ni min max	Cr min max	Mo min max	Cu min max	Al min max	Nb min max	Ti min max	N min max	V min max	CEQ min max
S235JRH EN10210	- 0.17	- 1.40	- 0.040	- 0.040	- -	- -	- -	- -	- -	- -	- -	- -	- 0.009	- -	- 0.37
P235GH TC1 EN 10216-2	- 0.16	- 1.20	- 0.010	- 0.025	- 0.35	- 0.30	- 0.30	- 0.08	- 0.30	0.020 -	- 0.010	- 0.040	- -	- 0.020	- -
P265GH TC1 EN10216-2	- 0.20	- 1.40	- 0.010	- 0.025	- 0.40	- 0.30	- 0.30	- 0.08	- 0.30	0.020 -	- 0.020	- 0.040	- -	- 0.020	- -
P235TR1 EN 10216-1	- 0.16	- 1.20	- 0.020	- 0.025	- 0.35	- 0.30	- 0.30	- 0.08	- 0.30	- -	- 0.010	- 0.040	- -	- 0.020	- -
P235TR2 EN 10216-1	- 0.16	- 1.20	- 0.015	- 0.025	- 0.35	- 0.30	- 0.30	- 0.08	- 0.30	0.020 -	- 0.010	- 0.040	- -	- 0.020	- -
P265TR1 EN 10216-1	- 0.20	- 1.40	- 0.020	- 0.025	- 0.40	- 0.30	- 0.30	- 0.08	- 0.30	- -	- 0.010	- 0.040	- -	- 0.020	- -
P265TR2 EN 10216-1	- 0.20	- 1.40	- 0.015	- 0.025	- 0.40	- 0.30	- 0.30	- 0.08	- 0.30	0.020 0.035	- 0.010	- 0.040	- -	- 0.020	- -
E235 EN 10297-1	- 0.17	- 1.20	- 0.035	- 0.030	- 0.35	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Ladle Chemical Analysis

R65562	0.12	0.52	0.005	0.013	0.24	0.08	0.08	0.02	0.24	0.022	0.001	0.001	0.009	0.001	0.248
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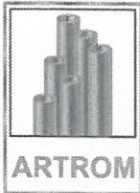
Mechanical Properties

		TENSILE TEST (EN ISO 6892-1) - at room temperature - Test Specimen // Strip - Longitudinal	Rp0,2 N/mm ² min max	Rm N/mm ² min max	A long %	Charpy V (J) (EN ISO 148-1) Test Specimen
S235JRH EN10210			235 -	360 510	26 -	Longitudinal or Transversal 10 x 10 [mm] min 27 (+20 ⁰ C)
P235GH TC1 EN 10216-2			235 -	360 500	25 -	Longitudinal 10 x 10 [mm] min 40 (0 ⁰ C)
P265GH TC1 EN10216-2			265 -	410 570	23 -	Longitudinal 10 x10 [mm] min 40 (0 ⁰ C)
P235TR1 EN 10216-1			235 -	360 500	25 -	-
P235TR2 EN10216-1			235 -	360 500	25 -	Longitudinal 10 x 10 [mm] min 40 (0 ⁰ C)
P265TR1 EN 10216-1			265 -	410 570	21 -	-
P265TR2 EN 10216-1			265 -	410 570	21 -	Longitudinal 10 x 10 [mm] min 40 (0 ⁰ C)
E235 EN 10297-1			235 -	360 -	25 -	-
Lot no: 607099		Dimension (mm): 15.65 x 4.35 Section (mm ²): 68.62 Length (Lo) (mm): 45	369	467	36	-
Drift-expanding test (EN ISO 8493)		Ring expanding test (EN ISO 8495)	Flattening test (EN ISO 8492)		Ring tensile test (EN ISO 8496)	
OK		-	OK		-	
Melting process: electric arc furnace, fully killed Hydraulic test pressure-80 bar for 5 sec: OK			Hardness HRB: 75-76 Hardness HRC max. 22 (acc. NACE MR0175/ISO 15156:2022 NACE MR0103/ISO 17945:2015)			

Chief of QC & Testing of the Metallurgical Tubes Products
Dipl. Eng. Silviu Barbulesscu

MILL INSPECTOR
Eng. Constantin Lupu

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 Subscribed and Paid Share Capital: 291.587.538,34 lei



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INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No: I 3608 Date: 28.05.2024	Manufacturer's mark:	Customer Order No.: 290	PL: 0637
CUSTOMER: NIMFA-COM SRL			
Specification: EN 10210-1:06/ EN 10210-2:19/ EN 10216-2:13/ EN 20216-1:13/ ASTM A106:19/ EN 10297-1:03/ ISO 3183:19		Dimensions: 60.3 x 3.6 x 12 000+100/-0 mm Steel: S275J2H/ P265GH TC1/ P235GH TC1/ P265TR2/ Gr. B/ E275/ L245 PSL1	
Description: Hot rolled seamless steel pipes; unprotected; marking by painting at one end: ARTROM, standard, steel grade, 5.03 Kg/m, 2", TEST PRESSURE 17.0 MPa, SMLS, heat no, LOT, LENGTH(m), mill inspector no. 5, technical control sign			
Heat No.: R62299	Lot: 543396	Steel melt and rolled in ROMANIA	
Quantity delivered	Pcs.	Length - m	Weight- Kg
	32	384.00	1960

Ladle Chemical Analysis [%]

C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	N	V	B	CE
0.13	0.52	.005	.012	0.24	0.09	0.05	0.02	0.25	.022	.001	.001	.009	.002	.0004	0.254

Product Chemical Analyse (%)

C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
0.13	0.52	0.006	0.011	0.24	0.09	0.05	0.02	0.23	0.024	0.002	0.001	0.002	.0004
0.12	0.53	0.005	0.011	0.24	0.09	0.05	0.02	0.23	0.024	0.002	0.001	0.002	.0004

Mechanical Properties

TENSILE TEST (1. EN ISO 6892-1/ 2. ASTM A370) - at room temperature-Test Specimen / Strip-longitudinal			Rp0.2 N/mm ²	Rm N/mm ²	A %
Dimension (mm): 1. 15.25 x 3.75 / 2. 19.25 x 3.65			1. 371	470	35
Section (mm ²): 1. 57.88 / 2. 71.62					
Length - (Lo) (mm): 1. 40 / 2. 50.8			2. 376	467	34
Drift expanding test (EN ISO 8493)	Flattening test (EN ISO 8492)	Charpy V - Notch (EN ISO 148-1)	Ring tensile test (EN ISO 8496)		
OK	OK	-	-		

Melting process: electric arc furnace, fully killed
 Hydraulic test pressure 17.0 MPa for 5 sec: OK / Grain size ASTM E 112: 9.0
 Bending test (ASTM A106 point 1): OK

Heat treatment: normalized during hot rolling process,
 temperature between 880°C - 940°C and cooled in still air

Visual inspection and dimensional check: OK

The manufacturer of pipes is certified in acc. with ISO 9001: 2015, ISO 14001:2015 and ISO 45001:2018

NO WELD REPAIR ON HEREBY CERTIFIED TUBES

The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability"

Our tubes are rolled from steel with low carbon footprint, carefully melted in our own Romanian facilities only by recycling the ferrous scrap.

Our products mentioned on this document do not incorporate steel products originating in Russia, fully complying with the Regulation (EU) No 833/2014

Chief of QC & Testing of the Metallurgical Tubes Products

Dipl. Eng. Silviu Barbolescu

MILL INSPECTOR
 Eng. Constantin Lupu



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CE	
0036- CPR-M-008-2007	
ARTROM STEEL TUBES S.A. Draganesti Street, No.30, 230119, SLATINA, OLT, ROMANIA 24 No. 4-7E / CPR 03-05-23	
EN 10210-1:2006 S275J2H / 1.0138 intended to be used in metal structures or in composite metal and concrete structures	
Tolerances: Elongation: Tensile strength: Yield strength: Impact strength: Weldability: Durability:	expressed as indicated in the DoP
Dangerous substance: No performance determined	

		A01/Nazwa wytwórcy/ Manufacturer's Works/ Herstellervork: ALCHEMIA S.A. ul. Aleje Jerozolimskie 92, 00-807 Warszawa Oddział Rurexpol ul. Trochimowskiego 27, 42-207 Częstochowa www.alchemiasa.pl										Z02/Data/date/Datum: 17.06.2024						
A02/Rodzaj dokumentu kontroli/Type of Inspection document/ Art der Prüfbescheinigung: ŚWIADECTWO ODBIORU Atest/Inspection Certificate/Abnahmeprüfzeugnis nach PN EN 10204 : 2006-3.1/EN 10204 : 2004 -3.1 ISO 9001 :2015 , Certificate No: 04 100 950250-002												A03/Nr. dokumentu/Document number/Bescheinigungsnummer: Nr: RXP/721/E/24						
A06/Odbiorca/Addresssee/Abnehmer NIMFA-COM S.R.L. RACARI 12A, BL.43 SC.A, ET.4, AP.24 031827 - BUCURESTI SECTOR 3 ROMANIA												A07/Kontrakt / Contract / Vertrag: R2400344/2/1 230212053						
A08/Specyfikacja /Specification/ Spezifikation: Nr: 47982												B09-B11/Wymiary/ Dimensions/Abmessungen 159 mm x 5,6 mm długość/length/ Länge : 4,00 m - 12,00 m						
A08/ Dokumenty dostawy /Delivery note/Liefer schein : 56954												B03/Warunki techniczne odbioru/Testrequirements/Prüfbedingungen: EN 10216-2:2013+A1:2019						
Nr. auta/Car no./Auto nr: B 121 WAG / AG 17 WAG																		
B01/Wyrób / Product / Erzeugnis: Rury stalowe bez szwu/Seamless steel pipes/Nahtlose Stahlrohre (pipes from stock)																		
B02/Gatunek / Material designation / Werkstoff: P265GH																		
B04 / Stan dostawy / State of Delivery / Lieferzustand: Normalizowane/Normalization/ Normalisierung: 880°C – 940°C Rury walcowane na gorąco/Hot formed pipes/Warmgeformte Rohre																		
Z05/Dopuszczenie/ Admittance/Zulassung: Producent materiałów posiada oceniony system jakości w odniesieniu do materiałów według zał. 1 pkt. 4.3 Dyrektywy PED2014/68/EU oraz AD2000-Merkblatt W0 przez TÜV Thüringen Industrie Service GmbH. Jednostka notyfikowana nr 0090, nr. certyfikatu 0090-154-871./The Producer has a reviewed quality system in reference to materials acc 1 sec 4.3 Directive PED 2014/68/EU and AD2000-Merkblatt W0 by Notified Body TÜV Thüringen Industrie Service GmbH, reg.-no 0090, certificate no. 0090-154-0871./Der Hersteller hat ein beurteiltes Qualitätssystemin Bezug auf die Werkstoffe nach dem Anh. 1 , Kap. 4.3 Directive PED 2014/68/EU und AD2000-Merkblatt W0 durch In TÜV Thüringen Industrie Service GmbH,notifizierte Stelle,Kenn-Nr.0090, Zertifikat Nr. 0090-154-0871 .																		
Z05/ . Producent posiada system jakości materiałów w odniesieniu do bezpieczeństwa urządzeń ciśnieniowych, wg. rozporządzeń 2016/Cert. nr HPIUK-PL139-T022-Q-01-002, dnia 09.06.2022. The company has a Quality System for the manufacturer's materials in acc Pressure Equipment (Safety).Regulations 2016/Cert. No. HPIUK-PL139-T022-Q-01-00 dated 09.06.2022																		
Własności mechaniczne/Mechanical properties/Mechanische eigenschaften EN ISO 6892-1												Próba uderzeniowa / Impact test / Kerbschlagversuch EN ISO 148-1						
C71-C90 Numer wytupu Heat No. Schmelze Nr	C02 Kierunek próby Direction of test pieces Probenri- chtung	C00/ Nr. próby Sample No. Probe Nr	C11 Granica plastyczności Yield or Proof strength Streck-order Dehngrenze	C12 Wytrzymałość Tensile strength Zugfestig-keit	C13 Wydłużenie Elongation after Fracture Bruchdeh- nung	C02 Kierunek Próby Direction of test pieces Probenrichtung	C40/C41 Typ próby Szerokość próby Type of test Piece.Width of test piece Probenform Probenbreite	C03 Temperatura Temperature Temperatur °C	C42 Wartości pojedyncze Individual values Einzelwerte	C43 Wartość średnia Mean value Mitte-lwert	C30 Pomiar Twardości Hardness test Härtepr- üfung Wartość średnia Mean value Mittelwert							
			R _{eH} MPa	R _m MPa	A ₅ %				1.	2.	3.							
			min.	410	min.													
			265	570	23.0													
600776	L	8898	426	529	29,2	L	KV ₂ 10 x 5	0	188	168	196							
										184								
C70/Sposób wytopu stali. / Way of casting. / Eismelzungsverfahren. : EAF – Oxygen Electric Arc Furnace/Stal uspokojona/Fully killed/Beruhigter Stahl Huta/Steelworks/Stahlwerk: ArcelorMittal Poland S.A. Oddział w Dąbrowie Górniczej al. J. Piłsudskiego 92-41-308 Dąbrowa Górnicza POLAND																		
Dopuszczalne wartości analizy wytupowej dla gatunków Permitted values of Chemical Composition for Material designation / Zulässige Werte der Chemische Zusammensetzung für die Werkstoff			C	Mn	Si	P	S	Cr	Mo	Ni	Al	Cu	N	Nb	V	Ti	C _E	
P265GH			max. 0.30	max. 1.40	max. 0.40	max. 0.025	max. 0.010	max. 0.30	max. 0.08	max. 0.30	min. 0.020	max. 0.30	max. 0.020	max. 0.02	max. 0.040			
Numer wytupu Heat No Schmelze Nr	Sztuki Number of piece Stückzahl	Długość Length Länge	Waga Weight Gewicht [kg]	C71-C90/ Analiza chemiczna [%] / Chemical Composition [%] / Chemische Zusammensetzung [%]														
				C	Mn	Si	P	S	Cr	Mo	Ni	Al	Cu	N	Nb	V	Ti	C _E
600776	3	30,700	651	0.17	0.95	0.19	0.015	0.004	0.054	0.019	0.075	0.030	0.199	0.000	0.001	0.005	0.000	0.33
Numery rur zgodnie ze specyfikacją na liście przewozowej nr/ Pipe no according to pipe specification on Packing List no/Rohrnummern gemäß Angabe auf Frachtbrief Nr.: 47982																		
Kontrola wizualna i wymiarowa/Visual inspection and checking of dimensions/Besichtigung und Massprüfung												- Wynik pozytywny/Positive results/Positives Ergebnis						
Próba szczelności/Hydraulic test at pressure/ Dichtigkeitstest 7,0 MPa (5 sec)												- Wynik pozytywny/Positive results/Positives Ergebnis						
Próba spłaszczania/Flattening test/Ringfaltversuch												- Wynik pozytywny/Positive results/Positives Ergebnis						
Niniejszym potwierdza się, że dostawa została skontrolowana i odpowiada warunkom zamówienia. / We hereby certify, that the material described above has been tested and complies with terms of the order contract./Es wird bestätigt, das die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.																		
Badany materiał nie wykazał radioaktywności. Pomiar został wykonany przy użyciu systemu GENIE 2000, produkcyj Canberna-Packard. The tested material did not show any signs of radioactivity. The measurement was performed with the application of GENIE 2000 system, manufactured by Canberra-Packard. In dem untersuchten Material wurde keine Radioaktivität gefunden. Die Messung wurde mit dem GENIE-2000-System gemacht. Hersteller: Canberra-Packard.																		
NK-24 - październik 2021												Strona/Page/Seite: 1/2						

D01/Rury oznakowane / Pipes Markings / Kennzeichnung		Kontrola Jakości/Control of Manufacture Fabrikationskontrolle		Z02/Z03 Specjalista Kontroli/Works Inspector Der Werksachverständigen		Nr: RXP/721/E/24	
Acc. to standard		ALCHEMIA S.A. Oddział Rurexpol Dział Kontroli Jakości Rurexpol Branch Quality Control Department		Specjalista kontroli jakości odbioru rur - kierownik zespołu Sebastian Kalka			
T- Poprzeczna/ Transverse/ Quer L- Wzdłużna/ Longitudinal/ Längs							

SPECIMEN



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TMK-ARTROM S.A.

INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

Draganesti Str. 30, Slatina, jud. OLT, Romania 230119

Tel: +40 (249) 436862, 434640, 434641

Fax: +40 (249) 434330, 437288

E-mail: office.slatina@tmk-artrom.eu www.tmk-artrom.eu

EUID: ROONRC.J28/9/1991; J28/9/31.01.1991

VAT No. RO 1510210/1992

Subscribed and Paid Share Capital: 291.587.538,34 lei

No : I 6451 Date: 23.09.2022	Manufacturer's mark:	Customer Order No. : 177	PL: 1304
CUSTOMER- NIMFA-COM SRL			
Specification: EN 10216-2:13/ ISO 3183:19/ ASTM A106:19 PED 2014/68/EU+AD 2000W4		Dimensions: 219.1 x 8 x 10 000 to 12 000 mm Steel: P235GH TC1/ P265GH TC1/ L245 PSL1/Gr. B	
Description: Hot rolled seamless steel pipes with bevelled ends, unprotected; marking by painting at one end: manufacturer's mark, standard, steel grade, TEST PRESSURE 19.3 MPa, SMLS, heat no., lot, LENGTH(m), mill inspector no. 2, technical control sign;			
Heat No. : R55402		Steel melt and rolled in Romania	
Quantity delivered	Pcs.	Length - m	Weight- Kg
	13	137.23	6056

Ladle Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	N	B
R55402	0.12	0.50	.001	.008	0.20	0.06	0.07	0.04	0.16	.024	.001	.001	.001	.008	.0003

Cr+Cu+Mo+Ni=0.33

Nb+V=0.002

Nb+V+Ti=0.003

Product Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
R55402	0.13	0.51	0.002	0.011	0.20	0.06	0.07	0.04	0.17	0.023	0.004	0.001	0.002	.0003
R55402	0.13	0.51	0.002	0.011	0.20	0.06	0.07	0.04	0.17	0.023	0.003	0.001	0.002	.0003

Mechanical Properties

TENSILE TEST (1. EN ISO 6892-1/ASTM A370) - at room temperature- Test Specimen // Strip- longitudinal			Rp0.2 N/mm ²	Rt0.5 N/mm ²	Rm N/mm ²	A %
Dimension (mm) : 1. 10.30 x 8.20 / 2. 37.80 x 8.10			1. 327	-	490	34
Section (mm ²) : 1. 84.49 / 2. 307.82						
Length - (Lo) (mm) : 1. 50 / 2. 50.8			2. -	342	491	35
Drift expanding test (EN ISO 8493)	Flattening test (EN ISO 8492)	Charpy V - Notch (EN ISO 148-1) KV/Longitudinal 5 x 10 [mm]	Charpy V - Notch (EN ISO 148-1)			
-	OK	76 (76; 71; 80) J (0° C)	-			

Heat treatment: normalized

Hydraulic test pressure (ASTM A530): 19.3 MPa for 5 sec: OK

Melting process: electric arc furnace, fully killed

Visual inspection and dimensional check : OK

The manufacturer of pipes is certified in acc. with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018

"NO WELD REPAIR ON HEREBY CERTIFIED TUBES"

The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability"

Chief of QC & Testing of the Metallurgical Tubes Products

Dipl. Eng. Silviu Barbulescu

MILL INSPECTOR

Eng. Iulian Andrei



"Issued in agreement with TÜV SÜD Industrie Service GmbH (02/98)"
"QS approved acc. to PED, Annex I, Para. 4.3 by Notified Body 0036"
"(Certification no. DGR-0036-QS-W 62/2002/MUC)"

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E-mail: office.slatina@tmk-artrom.eu www.tmk-artrom.eu

EUID: ROONRCJ28/9/1991; J28/9/31.01.1991

VAT No. RO 1510210/1992

Subscribed and Paid Share Capital: 291.587.538,34 lei

INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No: I 6891 Date: 24.10.2022	Manufacturer's mark:	Customer Order No.: 183	PL: 1449
CUSTOMER: NIMFA-COM SRL			
Specification: EN10210-1:06/ EN10210-2:19/ P10216-3:13/ EN 10216-2:13/ EN 10216-1:13		Dimensions: 108 x 4 x 6 000+100/-0 mm Steel: S355J2H/ P355NL1 TC1/ P265GH TC1/ P265TR2	
Description: Hot rolled seamless steel pipes; unprotected; marking by painting at one end: manufacturer's mark, standard, steel grade, heat no, LOT, LENGTH (m), mill inspector no. 5, technical control sign			
Heat No.: R59543		Steel melt and rolled in ROMANIA	
Quantity delivered	Pcs.	Length - m	Weight- Kg
	51	306.0	3242

Ladle Chemical Analysis [%]

C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	CE
0.17	1.23	0.003	0.017	0.21	0.09	0.13	0.02	0.22	0.030	0.002	0.001	0.003	0.426

Cr+Cu+Mo+Ni=0.46

Nb+V=0.005

Nb+V+Ti=0.006

N=0.009

Mechanical Properties

TENSILE TEST (EN ISO 6892-1) - at room temperature- Test Specimen / Strip-longitudinal			Rp0.2 N/mm ²	Rm N/mm ²	A %
Dimension (mm): 15.90 x 4.30			404	552	30
Section (mm ²): 68.64					
Length - (Lo) (mm): 45					
Drift expanding test (EN ISO 8493)	Flattening test (EN ISO 8492)	Charpy V - Notch (EN ISO 148-1)	Ring tensile test (EN ISO 8496)		
OK	OK	-	-		
Heat treatment: normalized temperature between 880-940°C			Melting process: electric arc furnace, fully killed		
Test Eddy Current cf. EN ISO 10896-1: OK					

Visual inspection and dimensional check: OK

The manufacturer of pipes is certified in acc. with ISO 9001: 2015, ISO 14001:2015 and ISO 45001:2018

NO WELD REPAIR ON HEREBY CERTIFIED TUBES

The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability"

Chief of QC & Testing of the Metallurgical Tubes Products

Dipl. Eng. Silviu Barbulescu



MILL INSPECTOR

Eng. Constantin Lupu



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TMK-ARTROM S.A. Draganesti Street, No.30,
230119, SLATINA, OLT, ROMANIA

22

No. 6-5E / CPR 18-10-22

EN 10210-1:2006

S355J2H / 1.0576

intended to be used in metal structures or in composite metal and concrete structures

Tolerances:

Elongation:

Tensile strength:

Yield strength:

Impact strength:

Weldability:

Durability:

Dangerous substance: No performance determined

expressed as indicated
in the DoP



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EUID: ROONRC.J28/9/1991; J28/9/31.01.1991

VAT No. RO 1510210/1992

Subscribed and Paid Share Capital: 291.587.538,34 lei

TMK-ARTROM S.A.

INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No : I 5096 Date: 30.06.2022	Manufacturer's mark:	Customer Order No. : 169	PL: 0972
CUSTOMER- NIMFA-COM SRL			
Specification: EN10210-1:06/ EN10210-2:19/ ISO 3183:19/ EN 10216-1:13/ EN 10216-2:13/ EN 10297-1:03/ ASTM A106:19/ PED 2014/68/EU		Dimensions: 42.4 x 3.2 x 6 000+100/-0 mm Steel: S355J2H / L245/ P265TR2/ P265GH TC1/ E275/ Gr. B	
Description: Hot rolled seamless steel pipes, unprotected: marking by painting at one end: manufacturer's mark, standard, dimension, steel grade, SMLS, heat no., LOT, LENGTH(m), mill inspector no. 5			
Heat No. : R58960		Steel melt and rolled in Romania	
Quantity delivered	Pcs.	Length - (m)	Weight- Kg
	204	1224.0	3878

Ladle Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B	CEV
R58960	0.18	1.19	.002	.015	0.24	0.12	0.08	0.05	0.20	.024	.002	.002	.003	0.0005	0.426

Nb+V=0.004

Nb+V+Ti=0.007

Product Chemical Analyse (%)

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
R58960	0.18	1.20	0.003	0.015	0.23	0.11	0.08	0.05	0.20	0.024	0.001	0.002	0.001	0.0005
R58960	0.17	1.21	0.003	0.014	0.23	0.11	0.08	0.05	0.20	0.023	0.001	0.002	0.001	0.0005

Mechanical Properties

TENSILE TEST (1. EN ISO 6892-1/ 2. ASTM A370) -- at room temperature- Test Specimen _ Strip-longitudinal				Rp0.2 N/mm²	Rt0.5 N/mm²	Rm N/mm²	A %
Dimension (mm): 1.1. 15.40 x 3.40 / 1.2. 15.60 x 3.30 / 2. 19.20 x 3.35				1.1. 398	-	554	29
Section (mm²): 1.1. 53.73 / 1.2. 52.82 / 2. 66.93				1.2. 410	-	560	30
Length - (Lo) (mm) : 1.1. 40 / 1.2. 40 / 2. 50.8				2. -	407	559	31
Drift expanding test (EN ISO 8493)	Flattening test (EN ISO 8492)	Charpy V – Notch (EN ISO 148-1) KV/Longitudinal 2.5 x 10 [mm]		Charpy V – Notch (EN ISO 148-1) KVc/Longitudinal 10 x 10 [mm]			
OK	OK	27 (26; 28; 26) J (0° C)		107 (104; 112; 104) J (0° C)			
Hydraulic test pressure 17.2 MPa for 5 sec: OK Heat treatment: normalized during hot rolling process, temperature between 880°C - 940°C Bending test (ASTM A106 point 11): OK				Melting process: electric arc furnace, fully killed Hardness HRB: 84–85 Hardness HRC max 22 (acc to NACE MR0175/ISO 15156) NACE MR0103/ISO 17945 Grain size ASTM E 112: 9.0			

Visual inspection and dimensional check : OK

The manufacturer of pipes is certified in acc. with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018
"NO WELD REPAIR ON HEREBY CERTIFIED TUBES"

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Chief of QC & Testing of the Metallurgical Tubes Products

Dipl. Eng. Silvia Barbulescu

MILL INSPECTOR

Eng. Constantin Lupu

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TMK-ARTROM S.A. Draganesti
Street, No. 30, 230119, SLATINA, OLT, ROMANIA
22

No. 6-5E / CPR 18-05-22

EN 10210-1:2006

S355J2H / 1.0576

intended to be used in metal structures or in composite metal and concrete structures

Tolerances:
Elongation:
Tensile strength:
Yield strength:
Impact strength:
Weldability:
Durability:
Dangerous substance: No performance determined

expressed as indicated
in the DoP



TMK-ARTROM S.A.

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E-mail: office.slatina@tmk-artrom.eu www.tmk-artrom.eu

EUID: ROONRC.J28/9/1991; J28/9/31.01.1991

VAT No. RO 1510210/1992

Subscribed and Paid Share Capital: 291.587.538,34 lei

INSPECTION CERTIFICATE - EN 10204: 2004 / 3.1

No : I 1275 Date: 11.02.2020	Sigla fabricii: Manufacturer's mark:		Comanda client nr.: 78.I Customer Order No. : 78.I	PL: 0324
CLIENT / CUSTOMER- NIMFA-COM SRL				
Specificatii / Specification: ASTM A106:19/ DIN 17175:79/ EN 10208:09/ 10216-2:13		Dimensiune / Dimensions: 38 x 6.3 x 5 000 to 8 000 mm Otel / Steel: Gr. B/ St 45.8 III/ L245 NB/ P265GH TC2		
Descriere: Tevi din otel fara sudura laminate la rece, sanfrenate la ambele capete; marcare prin poansonare la ambele capete: sigla fabricii, LENGTH(m), TEST PRESSURE, nr. sarja, dimensiune, inspector CTC nr. 5, Description: Cold drawn seamless steel pipes, with bevelled ends; marking at both ends: manufacturer's mark, LENGTH(m), TEST PRESSURE, heat no., dimension, mill inspector no. 5, technical control sign,				
Nr. Sarja / Heat No. : 2391				
Cantitatea livrata/ Quantity delivered	Bucati / Pcs.	Lungime/Length - m	Greutate / Weight- Kg	
	11	66.62	330	

Compozitia chimica pe otel lichid / Ladle Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V
2391	0.14	1.01	0.004	0.010	0.22	0.11	0.05	0.02	0.24	0.027	0.002	0.001	0.003

Compozitia chimica pe produs / Product Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V
2391	0.13	1.01	0.005	0.010	0.22	0.09	0.05	0.02	0.22	0.025	0.001	0.002	0.003
2391	0.13	1.01	0.004	0.010	0.21	0.09	0.05	0.03	0.22	0.025	0.001	0.001	0.003

Caracteristici mecanice / Mechanical Properties

TENSILE TEST (EN ISO 6892-1) - at room temperature-		Rp0.2	Rm	A
Tip epruveta / Test Specimen // Fasie - longitudinal / Strip- longitudinal		N/mm ²	N/mm ²	%
Dimensiune / Dimension (mm) : 10/30 x 6.40		378	473	38
Sectiune / Section (mm ²) : 67.14				
Lungime / Length - (Lo) (mm) : 45				
Test largire peinel Ring expanding test (EN ISO 8495)	Testeplatizare Flattening test (EN ISO 8492)	Test Charpy - crestatura V Charpy V - Notch (EN ISO 148-1) KV/Longitudinal 5 x 10 [mm]		
OK	OK	71 (78; 69; 67) J (0° C)		
Heat treatment: normalized		Melting process: electric arc furnace, fully killed		
Hydraulic test pressure (ASTM A530): 500 BAR for 10 sec: OK		Hardness HRB: 73-74		
UT -Acc EN 10246-7 cls. U2/ C;SEP 1925; ATM E213: OK		Hardness HRC max 22 (acc to NACE MR0175/ ISO 15156)		
Bending test (ASTM A106 point 11): OK				

Inspectia vizuala si dimensionala: OK / Visual inspection and dimensional check : OK

Fabrica producatoare de tevi este certificata in accord cu ISO 9001:2015, ISO 14001:2015 si ISO 45001:2018

The manufacturer of pipes is certified in acc. with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018

"TEVILE CERTIFICATE NU AU FOST REMANIMATE PRIN SUDURA "

" NO WELD REPAIR ON HEREBY CERTIFIED TUBES "

The material "not contain intentional additions of elements such as lead, selenium, or sulphur to improve machinability"

QC & LABORATORIES CHIEF

Dipl. Eng. Silviu Barbulescu

MILL INSPECTOR

Eng. Constantin Lupu



This inspection certificate is electronic.

The forgery of this certificate concludes to responsibility mentioned on Romanian Penal Code (art. 290-292).

THIS IS FOR CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED WITH THE ORDERED SPECIFICATION AND THAT INFORMATION IS CORRECT, THEY MEET THE SPECIFICATION'S REQUIREMENTS AND ARE RECORDS IN OUR COMPANY DOCUMENTS.

Manufacturer: ArcelorMittal Tubular Products Roman S.A. Stefan cel Mare, 15A/1, 611038 Roman, Neamt County, Romania		INSPECTION CERTIFICATE 3.1 according to EN 10204/2005		Page 1/3 B 32227/1 17.07.2025		 ArcelorMittal	
Buyer: S.C. NIMFA-COM S.R.L. -		Tevi din otel fara sudura laminate la cald		Total weight: 1.419 tons - lbs		Total Length: 42.93 meters - feet	
Standard: EN 10216-1-2014; EN 10216-2-2013+A1-2019; EN 10210-2-2019; EN 10210-1-2006;		Dimensions: 219.10 x 6.30 mm		Schedule: -		Length: 10.00 - 12.00 m	
Buyer's reference Contract 10003434		Hydro Test:		Bar: 70		PSI: -	
Item: 10		Item Client: -		MPa: 7.0		Time(sec): 5	
		Bill: 1000021514		Steel Grade: P235GH1C1/P265GH1C1/P235TR1/P235TR2/S275J0H/S235JRH		Transport: BZ-16-PIR/BZ-17-NOG	

Chemical Analysis(%)

Heat	Bulletin No.	Product Req.	Max	C	Mn	Si	S	P	Cr	Ni	Cu	Al	Mo	V	Nb	Ti	N
			Min	0.16	1.20	0.35	0.010	0.025	0.30	0.30	0.30	-	0.08	0.020	0.010	0.030	0.0090
2501031		Heat analysis		0.14	0.85	0.22	0.001	0.011	0.02	0.01	0.00	0.015	-	-	-	-	-
2501031	25-256	Product analysis		0.15	0.86	0.22	0.001	0.010	0.01	0.01	0.01	0.030	0.00	0.007	0.001	0.002	0.0033
2501031	25-256	Product analysis		0.15	0.87	0.23	0.001	0.009	0.01	0.01	0.01	0.033	0.00	0.006	0.001	0.002	0.0036

Chemical Analysis(%)

Heat	Bulletin No.	Product Req.	Max	Al / N	Cr + Mo + Ni + Cu	CE _{IIW}
			Min	-	0.700	0.37
2501031		Heat analysis		2.00	-	-
2501031	25-256	Product analysis		9.09	0.034	0.29
2501031	25-256	Product analysis		9.17	0.030	0.30
2501031	25-256	Product analysis		9.71	0.030	0.30

$$CE_{pcm} = C + S/30 + Mn/20 + Cu/20 + Ni/60 + Cr/20 + Mo/15 + V/10 + 5B$$

$$CE_S = C + Mn/6$$

$$CE_{IIW} = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$$

Tensile Test

Heat	Orientation	Length		Width/Diameter		Thickness		Section		Mechanical test Bulletin No.	YS MPa	YS (PSI:1000)	UTS MPa	UTS (PSI:1000)	E %	YS/UTS max: -
		mm	inch	mm	inch	mm	inch	mm ²	inch ²							
250103	Longitudinal Flat	-	-	20.00	-	6.70	-	134.0	-	25-816	342.50	-	497.00	-	37.60	0.69

We state on our sole responsibility that the delivered products are in conformity with the order requirements.

Quality Control Representative

Manufacturer: ArcelorMittal Tubular Products Roman S.A. Stefan cel Mare, 15A/1, 611038 Roman, Neamt County, Romania		INSPECTION CERTIFICATE 3.1 according to EN 10204/2005		Page 2/3 B 32227/1 17.07.2025		 ArcelorMittal			
Buyer: S.C. NIMFA-COM S.R.L.		Tevi din otel fara sudura laminate la cald		Total weight: 1.419 tons - lbs		Total Length: 42.93 meters - feet		Pieces 4	Bundles -
Standard: EN 10216-1-2014; EN 10216-2-2013+A1:2019; EN 10210-2-2019; EN 10210-1-2006;		Dimensions: 219.10 x 6.30 mm		Schedule: -		Length: 10.00 - 12.00 m		-	
Buyer's reference Contract 10003434		Hydro Test:		Bar 70	PSI	MPa 7.0	Time(sec) 5	Steel Grade: P235GHTC1/P265GHTC1/P235TR1/ P235TR2/S275JOH/S235JRH	

Impact Test

Heat	Impact Test Bulletin No.	Orientation	Size (mm)	Temp. (°C)	Req KV (min. J)	KV values (J)			Req Avr. (min. J)	Avr. fracture energy (J)	KCU min.-J/cm² T:°C			Shear Area min. %			Lateral Expansion min. mm		
2501031	25-2310	Longitudinal	10x5x55	0	-	186	200	212	40.0	199	-	-	-	90	90	90	0.78	0.85	0.91
2501031	25-2311	Longitudinal	10x5x55	-10	-	174	190	206	28.0	190	-	-	-	85	90	90	0.73	0.80	0.88

Yield Strength Test

Heat	Yield Strength Bulletin No.	T °C	YS (MPa)	YS (PSI) 1090
2501031	25-402	250	276.20	-

Technological/Microstructure Test

Heat	Flattening Test Bulletin No.	Flattening Test
2501031	25-1671	OK

Heat

Heat	Pieces	Length (m)	Weight (kg)
2501031	4	-	-

We state on our sole responsibility that the delivered products are in conformity with the order requirements.

Quality Control Representative

Manufacturer: ArcelorMittal Tubular Products Roman S.A. Stefan cel Mare, 15A/1, 611038 Roman, Neamt County, Romania		INSPECTION CERTIFICATE 3.1 according to EN 10204/2005		Page 3/3 B 32227/1		 ArcelorMittal	
Buyer: S.C. NIMFA-COM S.R.L.				17.07.2025			
-		Tevi din otel fara sudura laminate la cald		Total weight: 1.419 tons - lbs	Total Length: 42.93 meters - feet	Pieces 4	Bundles -
Standard: EN 10216-1-2014, EN 10216-2-2013+A1:2019, EN 10210-2-2019, EN 10210-1-2006,		Dimensions: 219.10 x 6.30 mm		Schedule: -		Length: 10.00 - 12.00 m	
Buyer's reference -	Contract 10003434	Hydro Test:	Bar 70	PSI -	MPa 7.0	Time(sec) 5	Steel Grade: P235GHTC1/P265GHTC1/P235TR1/P235TR2/S275JOH/S235JRH

Remarks:

MARKING ON THE PIPES BY PAINTING:

ARCELORMITTAL TUBULAR PRODUCTS ROMAN - - 219.10 - 6.30 -

EN 10216-2/EN 10216-1/EN 10210-1-2- P235GHTC1/P265GHTC1/P235TR1/P235TR2/S235JRH/S275JOH

- Length(m) + Heat no. ... Serial no. ... + CTC die stamping +  0036-25-0036-CPR-M 118.2019

Tevile sunt in conformitate cu ,, DIRECTIVA PED 2014/68-EU/15.05.2014. ANNEX 1, SECTION 4.3.

"Issued in agreement with TÜV SÜD Industrie Service GmbH (07.2008)"

"QS approved acc. to PED, Annex 1, Para. 4.3 by Notified Body 0036"

"(Certification no. DGR-0036-QS-W 361/2008/MUC)"

Otelul este complet calmat, degazat in vid si produs in cuptor electric, sursa Jindal Shadeed Iron & Steel LLC Sohar Port, Plot - 12, PO Box 404, PC 322 Falaj Al Qabail, Sohar, Sultanate of Oman .

Inspectie vizuala/ dimensionala fara obiectii

Marcaj conform normei si cerinta specificata. Livrare vrac.

Încercările mecanice și compoziția chimică corespund conform buletinelor.

Tevile au fost livrate normalizate din temperatura de sfarsit de laminare (880-1000°C).

The products was manufactured, sampled, tested, marked and inspected in accordance with the Standards, the supplementary requirements, and any other requirements designated in the purchase order, and has been found to meet such requirements.

MARKING ON THE LABEL & INSPECTION CERTIFICATE:


0036

ARCELORMITTAL
TUBULAR PRODUCTS ROMAN S.A.

Stefan cel Mare, 15A/1, 611038 Roman, Neamt County,
Romania

25
0036-CPR-M 118.2019

EN 10210-1-2006

Steel hollow sections for building and civil engineering

Product designation : S235JRH

Dangerous substance As: Less than 0.2 ppm

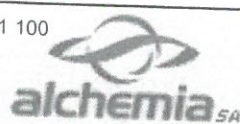
Durability : NPD

Quality Control Representative

Renata Habasescu Digitally signed by Renata Habasescu
Date: 2025.07.18 14:16:19 +03'00'

We state on our sole responsibility that the delivered products are in conformity with the order requirements.

Formular 12A, rev.9

		(A01) Nazwa wytwórcy / Manufacturer's Works / Herstellerwerk: (A05) Wystawiający dokument / Document's originator / Aussteller der Bescheinigung: ALCHEMIA S.A. Oddział WALCOWNIA RUR ANDRZEJ 47-120 Zawadzkie ul. Lubliniecka 12 www.alchemiasa.pl		tel: (+48) 77 45 61 100 					
(A02) Rodzaj dokumentu kontroli / Type of Inspection document / Art der Prüfbescheinigung: Świadectwo Odbioru / Inspection Certificate / Abnahmeprüfzeugnis: 3.1 wg PN-EN 10204:2006				(A03) Numer dokumentu / Document number / Bescheinigungsnummer: 2465 / E / 2018					
(A06) Odbiorca / Addressee / Abnehmer: NIMFA-COM S.R.L. 31824 BUCHAREST, DISTRICT 3 FLORIN CIUNGAN 5				(A07) Nr zamówienia Klienta / Kontrakt / Purchaser's order / Contract / Bestellung Nr: Vertrag 03.04.2018 18/0254/EF					
(B01) Wyrób/Product/Erzeugnis: Rury stalowe bez szwu / Seamless steel pipes / Nahtlose Stahlrohre				(A08) Nr zamówienia zakładu (potwierdzenie) / Works confirmation / Vertragsnummer: 50500254/2018					
(B02) Oznaczenie stali / Steel designation / Stahlbezeichnung (Gatunek / Material designation / Werkstoff): P265GH P265TR2			(B03) Warunki techniczne odbioru / Test requirements / Prüfbedingungen: EN 10216-2, TC1, PED 2014/68/UE, EN 10216-1, PED 2014/68/UE.						
(C70) Proces wytwarzania stali / Steelmaking process / Stahlherstellungsverfahren Proces konwertorowy, ciągłe odlewanie stali. / The converter process, Continuous Casting. / Konverterprozess, Strangguss.									
(B07) Identyfikacja wyrobu / Product Identification / Identifizierung des Erzeugnisses:									
Nr partii Lot Los	Nr wytopu Heat No. Schmelze Nr.	Nr zgłoszenia Works Id. No. Betriebs Id. Nr	Wymiar Dimensions Abmessungen [mm]	Waga Weight Gewicht [kg]	Długość Length Länge [m]	Liczba sztuk Number of Pieces Stückzahl	Długość jednost. Unit Length Einheitslänge [mm]	Stempel kontrolera Inspector's stamp Stempel der/des Abnahmebeauftragten	Nr AWIZA
5547	215807	750/W/6/18	26.9 x 2.9	2280	1315	215	6000÷7000 mm	NJ19	
5548	215807	751/W/6/18	26.9 x 2.9	2170	1248	204	6000÷7000 mm	NJ19	
5555	215807	760/W/6/18	26.9 x 2.9	2350	1346	220	6000÷7000 mm	NJ15	
5556	215807	761/W/6/18	26.9 x 2.9	2120	1217	199	6000÷7000 mm	NJ15	
Razem / Total / Gesamt:				8920	5126	838			
Huta / Steelworks / Stahlwerk: Mittal Warszawa									
(B04) Stan dostawy / Product delivery condition / Lieferzustand: Goręcownicowe / Hot rolled / Warm gewalzt +N									
(B06) Znaki trwałe na materiale lub przywieszce zgodnie z potwierdzeniem zamówienia / Durable marks on the material or on the label with contract confirmation / Feste Markierung auf dem Material oder auf dem Etikett gemäß Auftragsbestätigung.									
(Z04/Z05) Cechowanie znakiem CE i inne dopuszczenia / CE marking and other entitlements / CE-Zeichen und andere Zulassungen:									
Producent materiałów posiada oceniony system jakości w odniesieniu do materiałów według zał. 1 pkt. 4.3 Dyrektywy PED 2014/68/UE przez TÜV NORD Systems GmbH & Co. KG, jednostka notyfikowana nr 0045, nr certyfikatu 07-202-9120-WZ-1146/15 R1									
/ The Producer has a reviewed quality system in reference to materials acc. annex 1, sec 4.3 Directive PED 2014/68/UE by Notified Body TÜV NORD Systems GmbH & Co. KG, reg.-no. 0045, certificate no. 07-202-9120-WZ-1146/15 R1									
/ Der Hersteller hat ein beurteiltes Qualitätssystem in Bezug auf die Werkstoffe nach dem Anh. 1, Kap. 4.3 Direktive 2014/68/UE durch TÜV NORD Systems GmbH & Co. KG notifizierte Stelle, Kenn-Nr. 0045, Zertifikat Nr. 07-202-9120-WZ-1146/15 R1									
Oddział Certyfikowany na zgodność z normą ISO 9001									
Nr auta / Car No / Auto Nr: GL 04DOD / GL 57DOD									
Strona / Page / Seite: 1 / 2									

(A04)		(A01) Nazwa wytwórcy / Manufacturer's Works / Herstellerwerk: (A05) Wystawiający dokument / Document's originator / Aussteller der Bescheinigung: ALCHEMIA S.A. Oddział WALCOWNIA RUR ANDRZEJ 47-120 Zawadzkie ul. Lubliniecka 12 www.alchemiasa.pl	tel: (+48) 77 45 61 100 						
(A02) Rodzaj dokumentu kontroli / Type of Inspection document / Art der Prüfbescheinigung: Świadectwo Odbioru / Inspection Certificate / Abnahmeprüfzeugnis: 3.1 wg PN-EN 10204:2006		(A03) Numer dokumentu / Document number / Bescheinigungsnummer: 2679 / E / 2018							
(A06) Odbiorca / Addressee / Abnehmer: NIMFA-COM S.R.L. 31824 BUCHAREST, DISTRICT 3 FLORIN CIUNGAN 5		(A07) Nr zamówienia Klienta / Kontrakt / Purchaser's order / Contract / Bestellung Nr: Vertrag 03.04.2018 18/0254/EF							
(B01) Wyrób/Product/Erzeugnis: Rury stalowe bez szwu / Seamless steel pipes / Nahtlose Stahlrohre		(A08) Nr zamówienia zakładu (potwierdzenie) / Works confirmation / Vertragsnummer: 50200254/2018							
(B02) Oznaczenie stali / Steel designation / Stahlbezeichnung (Gatunek / Material designation / Werkstoff): P265GH P265TR2		(B03) Warunki techniczne odbioru / Test requirements / Prüfbedingungen: EN 10216-2, TC1, PED 2014/68/UE, EN 10216-1.							
(C70) Proces wytwarzania stali / Steelmaking process / Stahlherstellungsverfahren Proces konwertorowy, ciągłe odlewanie stali. / The converter process, Continuous Casting. / Konverterprozess, Strangguss.									
(B07) Identyfikacja wyrobu / Product Identification / Identifizierung des Erzeugnisses:									
Nr partii Lot Los	Nr wytopu Heat No. Schmelze Nr.	Nr zgłoszenia Works Id. No. Betriebs Id. Nr	Wymiar Dimensions Abmessungen [mm]	Waga Weight Gewicht [kg]	Długość Length Länge [m]	Liczba sztuk Number of Pieces Stückzahl	Długość jednost. Unit Length Einheitslänge [mm]	Stempel kontrolera Inspector's stamp Stempel der/des Abnahmebeauftragten	Nr AWIZA
5900	217366	337/W/7/18	21.3 x 2.9	2420	1884	300	6000÷7000 mm	NJ1	
5901	217366	338/W/7/18	21.3 x 2.9	2260	1758	280	6000÷7000 mm	NJ1	
5924	217366	392/W/7/18	21.3 x 2.9	1630	1279	205	6000÷7000 mm	NJ1	
5925	217366	393/W/7/18	21.3 x 2.9	1640	1279	205	6000÷7000 mm	NJ1	
5956	217366	469/W/7/18	21.3 x 2.9	320	257	42	6000÷7000 mm	NJ1	
Razem / Total / Gesamt:				8270	6457	1 032			
Huta / Steelworks / Stahlwerk: Mittal Warszawa									
(B04) Stan dostawy / Product delivery condition / Lieferzustand: Gorącywalcowane / Hot rolled / Warm gewalzt +N									
(B06) Znaki trwałe na materiale lub przywieszce zgodnie z potwierdzeniem zamówienia / Durable marks on the material or on the label with contract confirmation / Feste Markierung auf dem Material oder auf dem Etikett gemäß Auftragsbestätigung.									
(Z04/Z05) Cechowanie znakiem CE i inne dopuszczenia / CE marking and other entitlements / CE-Zeichen und andere Zulassungen:									
Producent materiałów posiada oceniony system jakości w odniesieniu do materiałów według zał. 1 pkt. 4.3 Dyrektywy PED 2014/68/UE przez TÜV NORD Systems GmbH & Co. KG, jednostka notyfikowana nr 0045, nr certyfikatu 07-202-9120-WZ-1146/15 R1 / The Producer has a reviewed quality system in reference to materials acc. annex 1, sec 4.3 Directive PED 2014/68/UE by Notified Body TÜV NORD Systems GmbH & Co. KG, reg.-no. 0045, certificate no. 07-202-9120-WZ-1146/15 R1 / Der Hersteller hat ein beurteiltes Qualitätssystem in Bezug auf die Werkstoffe nach dem Anh. 1, Kap. 4.3 Direktive 2014/68/UE durch TÜV NORD Systems GmbH & Co. KG notifizierte Stelle, Kenn-Nr. 0045, Zertifikat Nr 07-202-9120-WZ-1146/15 R1									
Oddział Certyfikowany na zgodność z normą ISO 9001									
Nr auta / Car No / Auto Nr: SV 26BST / SV 28BST						Strona / Page / Seite: 1 / 2			

ІНТЕРПАЙП НІКО ТЬЮБ

ТОВАРИСТВО З ОБМЕЖЕНОЮ ВІДПОВІДАЛЬНІСТЮ «ІНТЕРПАЙП НІКО ТЬЮБ»
Юридична адреса: пр. Трубників, 56, м. Нікополь, Україна, 53200
Адреса виробництва: вул. Каштанова, 35, м. Дніпро, Україна, 49081
Контактна інформація: +38 (0562) 35-85-07, quality@m.interpipe.biz

ИНСПЕКЦИОННЫЙ СЕРТИФИКАТ № 1029/5
INSPECTION CERTIFICATE № 1029/5 (A03)
EN 10204-2004/3.1 (A02)

Грузополучатель
BUYER (A06)

NIMFA-COM S.R.L.
Soseaua de Centura 107B, Popesti-Leordeni
077160, Ilfov, Romania (Beltway 107B)
Popesti-Leordeni, postal code 077160, Ilfov
County, Romania)

Контракт №

COC21/2052

Страна
Country (A06)

Romania

Транспортное
средство
Vehicle №
Дата
Date

BI 7264EM / BI3422XO

15.06.2022г.

Заводской заказ №
Production order #

712052/101

Номер заказа клиента
Customer's ref # (A07)

PO#order
15.12.21

Уникальный №
Unique # (A09)

21-013437

CE

07
DoP №PJSC"INTERPIPE
NIKO TUBE"
/1.0149-2021
EN 10210-1:2006
0090

Лист 1
Sheet

Листов 1
Sheets

Наименование и код товара Description and code of goods (B01)										Наименование стандартов Specifications (B01)				Лист 1 Sheet		Листов 1 Sheets		Класс поставки Class of delivery		Тип резьбы Thread type	
Трубы стальные бесшовные горячекатаные Seamless steel hot-rolled pipes										EN 10210-1:2006/ EN 10210-2:2019/ EN 10216-1:2013/ EN 10216-2:2013+A1:2019/ EN 10297-1:2003											
№ поз. Item No	Номер пакета Bundle #	Номера труб Pipe #	Марка стали Grade (B02) Краткое обозначение Brief Designation	Номер плавки Heat #	Номер партии Inspection Lot #	Размеры Dimensions (B09,B10)			Общая длина Total length (B11)	шт pieces (B08)	Фактический вес Actual weight (B13)										
						Диаметр OD	Толщина стенки WT	Длина length			брутто gross	нетто net									
(B07.3)	(B07.4)	(B07.1)	(B07.2)	мм mm	мм mm	м m	м m	(B08)	кг kg	кг kg											
1.	6230	44; 45	P265GH TC1/ P265 TR2/ S275J0H/ E275-N	1220748	492	159.0	6.30	10.00-12.00	21,28	2	545	530									
2.	6231	1; 2; 3; 4; 5; 6; 7; 8	"	1220748	492	159.0	6.30	10.00-12.00	90,37	8	2 250	2 235									
3.	6232	10; 11; 12; 13; 14; 15; 16; 9	"	1220748	492	159.0	6.30	10.00-12.00	89,91	8	2 245	2 230									
4.	6233	17; 18; 19; 20; 21	"	1220748	492	159.0	6.30	10.00-12.00	55,94	5	1 395	1 380									
5.	6234	22; 23; 24; 25; 26; 27; 28; 29	"	1220748	492	159.0	6.30	10.00-12.00	90,68	8	2 260	2 245									
6.	6235	30; 31; 32; 33; 34; 35; 36; 37	"	1220748	492	159.0	6.30	10.00-12.00	89,43	8	2 235	2 220									
7.	6236	38; 39; 40; 41; 42; 43	"	1220748	492	159.0	6.30	10.00-12.00	66,60	8	1 665	1 650									
For item/ноз.: #21-013437-001						TOTAL/ИТОГО		504,21	45	12 595	12 490										
8.	11675	24; 25; 26; 27; 28; 29; 30; 31; 32; 33	P265GH TC1/ P265 TR2/ S275J0H/ E275-N	1221365	654	168.3	4.50	10.00-12.00	119,60	10	2 340	2 325									
9.	11676	34; 35; 36; 37; 38; 39; 40; 41; 42; 43	"	1221365	654	168.3	4.50	10.00-12.00	115,92	10	2 260	2 245									
10.	11672	1; 10; 2; 3; 4; 5; 6; 7; 8; 9	"	1221368	658	168.3	4.50	10.00-12.00	119,60	10	2 330	2 315									
11.	11673	11; 12; 13; 14; 15; 16; 17; 18; 19; 20	"	1221368	658	168.3	4.50	10.00-12.00	119,60	10	2 325	2 310									
For item/ноз.: #21-013437-002						TOTAL/ИТОГО		474,72	40	9 255	9 195										
						BUNDLES/ПАКЕТОВ 4															
						TOTAL/ИТОГО		978,93	85	21 850	21 685										
						BUNDLES/ПАКЕТОВ 11															

INTERPIPE
NIKO TUBE

LIMITED LIABILITY COMPANY «INTERPIPE NIKO TUBE»

Legal address:

Trubnykiv Av., 56, Nikopol, Ukraine, 53200

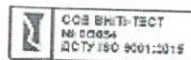
Facility address:

Kashanova Str., 35, Dnipro, Ukraine, 49081

Contact information:

+38 (0562) 35-85-07, quality@m.interpipe.biz

0019946



Продукція виготовлена в умовах сертифікованого середовища
certified quality, environment and safety management system

THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 03-01-2001 BY 60322 UCBAW

ТОВАРИСТВО З ОБМЕЖЕНОЮ ВІДПОВІДАЛЬНІСТЮ
"ІНТЕРПайПІК ТЮБ"
(401)
Юридична адреса:
пр. Труби́нко́в, 56, м. Ні́копіль, Україна, 53200
Адрес виробництва:
вул. Ка́штанова, 35, м. Дні́про, Україна, 49081
Контактна інформація: +38(0562)35-85-
07 quality@n.interpipe.biz
LIMITED LIABILITY COMPANY "INTERPIPE NIKO TUBE"
Legal address: Trubnykiv Av., 56, Nikopol, Ukraine, 53200
Facility address: Kashtanova Str., 35, Dnipro, Ukraine, 49081
Contact information: +38(0562)35-85-
07 quality@n.interpipe.biz



ИСПЕКЦИОННЫЙ СЕРТИФИКАТ
INSPECTION CERTIFICATE
EN 10204-2004/3.1

No : 1536/5 (A03)
 Аркуш / Page 1
 Дата / Data 25.07.2022 EN
 10204-
 2004/3.1

(A13)



07
DoP NoLLC"INTERPIPE
NIKO TUBE"
/1.0138-2021
EN 10210-1:2006
0090

Вантажодержувач/ Consignor

NIMFA-COM S.R.L. Soseaua de Centura 107B, Popesti-Leordeni 077160, Ilfov, Romania (Beltway 107B, Popesti-Leordeni, postal code 077160, Ilfov County, Romania)

Контракт №/ Contract #

COC22/0026

Країна/ Country

(A05.1)
Румунія/Romania

Заводське замовлення/Production order # (A08)
720026/101

№ замовлення клієнта/ Customers ref # (A07)
PO#order 05.01.22

Транспортний засіб/ Vehicle №

AE 0131EO/AE3303XT

Унікальний №/ Unique #
22-000145

22-000145

Стан поставання / Delivery condition

Нормалізація з прокатного нагріву за температури 880-1000°C / Normalized rolling at the temperature 880-1000 deg C.

Труби сталеві безшовні гарячекатані/Seamless steel hot-rolled pipes

P265GH TC1/ P265 TR2/ S275J2H/ E275+N

Труби без ковпачків / Pipes without caps

Труби без покриття./ Pipes without coating	
--	--

Додаткова інформація/Additional information

Країна виплавки та виробництва - Україна / Country of melt and manufacturer UKRAINE

Труби обрізані під прямим кутом.

руби обрізані під прямим кутом. / Pipes are cut off under a right angle.

7, February 2013 та за Директивою 2014/68/EU для смистовий високого тиску; реєстраційний номер сертифікаційного центру 0090, Сертифікат відповідності на систему управління якістю № 31102006 QM15, Approved acc. to AD2000 Merkblatt W4 including paragraph 7, February 2013 and certified acc. to Pressure Equipment Directive 2014/68/EU by TUV Thüringen e.V., notified body, reg.-no.0090, Conformance Certificate on Quality Management System № 31102006 QM15, Approved acc. to Pressure Equipment Directive 2014/68/EU (appendix 1 exp. 4.3 and 7.5) certified

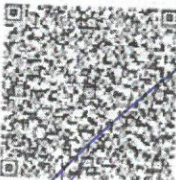
Directive) 2014/68/EU (appendix 1 exp. 4.3 and 7.5) / The Mill is PED (Pressure Equipment

№ поз. Item No	(B07.4) Номер пакування Bundle#	(B07.3) Номери труб Pipe#	(B07.1) Номер плашки Heat#	(B07.2) Номер партії Inspection Lot#	(B09)	(B09)	(B010)	(B11)	(B08) штуки pieces	(B13)	
					Зовнішній діаметр OD	Товщина стілки WT	Довжина Length O	Загальна довжина Total length		фактична вага Actual weight	
					mm	mm	m	m		gross kg	net kg
4	14185	1; 2; 3; 4; 5; 6; 7; 8	1221515	883	133.0	6.30	10.00-12.00	92.36			
5	14186	10; 11; 12; 13; 14; 15; 16; 9	1221515	883	133.0	6.30	10.00-12.00	92.47	8	1823	1818
6	14187	17; 18; 19; 20; 21; 22	1221515	883	133.0	6.30	10.00-12.00	67.92	8	1825	1820
For item/no.: # 22-000145-003								6	1340	1337	
РАЗОМ/TOTAL ПАКУНКІВ/BUNDLES 3								252.75	22	4988	4975
1	15751	1; 2; 3; 4; 5; 6; 7	1221517	890	139.7	8.00	10.00-12.00	81.84	7	2210	2195
2	15752	10; 11; 12; 13; 14; 8; 9	1221517	890	139.7	8.00	10.00-12.00	81.54	7	2220	2205
3	15753	15; 16; 17; 18; 19; 20; 21	1221517	890	139.7	8.00	10.00-12.00	81.89	7	2210	2106
For item/no.: # 22-000145-002								7	2210	2106	
РАЗОМ/TOTAL ПАКУНКІВ/BUNDLES 3								245.25	21	6640	6595
РАЗОМ/TOTAL ПАКУНКІВ/BUNDLES 6								498.01	43	11628	11570

Produktion hergestellt in einem zertifizierten Qualitätsmanagementsystem

certified quality, environment and safety management system

ТОВАРИСТВО З ОБМЕЖЕНОЮ ВІДПОВІДАЛЬНІСТЮ
"ІНТЕРПІП НІКО ТЮБ"
Юридична адреса:
пр. Трубішова, 56, м. Нікополь, Україна, 63200
Адрес виробництва:
вул. Каштанова, 35, м. Дніпро, Україна, 49081
Контактна інформація: +38(0562)35-85-07, quality@tm.interpipe.biz
LIMITED LIABILITY COMPANY "INTERPIPE NIKO TUBE"
Legal address: Trubnykiv Av., 56, Nikopol, Ukraine, 63200
Facility address: Kashtanova Str., 35, Dnipro, Ukraine, 49081
Contact information: +38(0562)35-85-07, quality@tm.interpipe.biz



ІНСПЕКЦІЙНИЙ СЕРТИФІКАТ
INSPECTION CERTIFICATE
EN 10204-2004/3.1

No 1536/5
Архив / Page 1
Дата / Date 25.07.2022

Хімічний склад по сертифікатним даним на заготівку в % / Heat analysis acc. to the billet manufacturer certificate

(B07.1) Номер плавки Heat #	C x100	Mn x100	Si x100	S x1000	P x1000	Cr x100	Ni x100	Cu x100	Mo x1000	Ti x1000	V x1000	Nb x1000	Al x1000	N x1000	CEV
min	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
max	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1221515	18	47	20	6	7	9	12	19	26	4	2	2	30	7.5	0.3
1221517	18	46	21	3	10	11	12	24	13	4	2	2	33	7.1	0.31

CEV C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15
НД на заготівку/Test norm ТУ У 24-1-33718431-001:2015 Изм. №1
Завод виробник/Steel supplier "Дніпростал" / "MP DNEPROSTEEL" LLC
Сталь вироблена методом плавлення в печі електродуги з подальшим безперервним розливанням. Сталь що повністю розкислена і дрібнозерниста. Сталь розкислена алюмінієм. Адреса заводу виробника заготівки: Україна, 49051, г. Дніпро, вул. Дніпропетровська, 4/Steel has been produced by the EAF with continuous casting process. Steel is fully killed. The address of steel supplier: Ukraine, 49051, Dnipro, 4 Dniprostalivska str.

Результати контролю хімічного складу металу труб/Results of chemical analysis of pipes

(B07.1) Номер плавки Heat #	(C00.1) Зразок Test piece	C x100	Mn x100	Si x100	S x1000	P x1000	Cr x100	Ni x100	Cu x100	Mo x1000	Ti x1000	V x1000	Nb x1000	Al x1000	N x1000	CEV
min	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
max	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1221515	1	18	46	20	5	10	9	12	18	26	5	5	2	27	8	0.3
1221517	1	19	47	22	3	10	11	12	22	14	5	5	2	33	8	0.32

CEV C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

Результати випробувань труб - Test results for pipes

Випробування на розтягнення/ Tensile test

(B07.1) Номер плавки Heat #	(B07.2) Номер партії Lot #	(C12) Межа міцності Tensile strength Rm	(C12) Межа міцності Tensile strength Rp0.2	(C11) Межа пластичності Yield strength Rp0.2	(C11) Межа пластичності Yield strength Rp0.2	(C13) Відносне подовження Elongation 60	(C13) Відносне подовження Elongation 60	(C15) Відносне звуження Relative narrowing	(C15) Відносне звуження Relative narrowing	(C14) Ставлення Rm/Rp0.2	(C02) Орієнтація зразків Specimens orientation	(C10.1) Товщина зразка Width of specimen	(C10.2) Діаметр циліндричного зразка Diameter of cylindrical specimen	(C10.1) Довжина зразка Length of specimen
min		410	-	275	-	23.0	-	-	-	-	-	mm/mm	mm/mm	mm/mm
max		560	-	-	-	-	-	-	-	-	-	-	-	-
1221515	883	488	-	319	-	30.8	-	-	-	-	-	-	-	-
1221517	890	467	-	295	-	29.0	-	-	-	-	L	25	-	60

* L - Поздовжній зразок / Longitudinal specimen; T - Поперечний зразок / transverse specimen

ИНСПЕКЦИОННЫЙ СЕРТИФИКАТ № 1029/5 INSPECTION CERTIFICATE № 1029/5 (A03)

Лист 1
Sheet

Листов 1
Sheets

Химический состав по сертификатным данным на заготовку и результаты контроля химического состава металла труб
Heat analysis acc. to the billet manufacturer certificate & results of chemical analysis of pipes (C71-C72)

Heat analysis acc. to the billet manufacturer certificate & results of chemical analysis of pipes (C71-C72)																	Завод изготовитель заготовки Steel supplier
Номер плашки Heat # (B07.1)	Лаборатория Laboratory	Химический состав в % Chemical composition %															
		C x100	Mn x100	Si x100	S x1000	P x1000	Cr x100	Ni x100	Cu x100	Mo x1000	Ti x1000	V x1000	Nb x1000	Al x1000	N x1000	CEV	
min		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
max		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1221368	DneprSteel NTRP*	18	47	22	3	8	10	18	21	16	3	3	1	35	8.5	0.31	"MP"DNEPROSTEEL"LLC ООО"МЗ"Днепропетровск"
1220748	DneprSteel NTRP*	18	50	21	5	8	12	16	22	13	5	5	2	35	8	0.32	
	DneprSteel NTRP*	17	47	22	5	7	7	10	18	10	4	1	2	33	8	0.28	"MP"DNEPROSTEEL"LLC ООО"МЗ"Днепропетровск"
1221365	DneprSteel NTRP*	18	46	22	4	10	11	12	20	15	3	2	2	31	6.9	0.3	"MP"DNEPROSTEEL"LLC ООО"МЗ"Днепропетровск"
		17	49	21	5	9	12	13	19	14	5	5	2	34	7	0.3	
Анализ плашки согласно сертификата завода-изготовителя/Heat analysis acc. to the max fastener certificate																	

Анализ плашки согласно сертификата завода-изготовителя/Heat analysis acc. to the manufacturer certificate.
*control analysis of pipes/-контрольный анализ от труб.

Сталь произведена методом плавления в электродуговой печи с последующей непрерывной разливкой. Сталь полностью раскисленная и мелкозернистая. Сталь раскисленная алюминием. Адрес завода изготовителя заготовки: Украина, 49051, г. Днепр, ул. Днепропетровская, 4/ Steel has been produced by the EAF with continuous casting process. Steel is fully killed and made to fine grain practice. Aluminium killed steel. The address of steel supplier: Ukraine 49051, Dnipro, 4 Dniprostalivska str. (C70)
При расчете углеродного эквивалента использована формула: When calculating the carbon equivalent the following formula was used: CEV=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15 (C94)

Результаты испытаний труб - Test results for pipes

		Механические свойства Mechanical Properties														
		Испытание на растяжение Tensile test					Испытание на удар /Impact test									
Номер плашки Heat# (B07.1)	Номер партии Lot# (B07.2)	Предел прочности Tensile strength (C12)	Предел текучести Rp0.2 Yield strength Rp0.2 (C11)	Относительное удлинение Elongation (C13)	Отношение отов Ratio of tovs (C14)	Ориентация образца Specimens orientation* (C02)	Ширина полосового образца Width of strip specimen (C10)	Диаметр цилиндрического образца Diameter of cylindrical specimen (C03)	Длина образца Length of specimen (C10.3)	Твердость Hardness Среднее значение Average (C30-C32)	Ориентация* Orientation* (C02)	Тип надреза, температура Type of notch, temperature (C03-C40)	Норматив/Norm	Ср. значение Average (C42,C43)	Площадь сдвига, Shear area	Размер образцов ** Specimens size ** (C41)
		MPa	MPa	%			mm	mm/mm	mm/mm	HRB	HRC			Дж/J	%	mm/mm
		min	410	275	23.0	-		mm	mm	mm	-	-		min		
max		560	-	-	-					-	-					
1221368	658	488	303	26.73		L	16		50							
1221365	654	488	309	30.58		L	16		50							
1220748	492	472	313	28.00		L	20		60			L KV 0°C	40	135.6 146.4 139.2 av.140.4		5x10

* L - Продольный образец / Longitudinal specimen; T - поперечный образец / Transverse specimen

* L - Продольный образец / Longitudinal specimen, T - поперечный образец / transverse specimen
** Результаты испытаний уменьшенных образцов пересчитаны на полноразмерные/Non-fullsize specimens results convert to fullsize (10x10mm)

Прочие виды контроля / Other tests

Вид испытания / Type of test	Параметры / Criteria	Результаты контроля / Test results
Сплюсывание / Flattening test (C50)	По стандарту / As per Standard	Удовлетворительно / Satisfactory
Кольцевое растяжение / Ring tensile (C52)	По стандарту / As per Standard	Удовлетворительно / Satisfactory
Испытание гидравлическим давлением / Hydrostatic test (D51)	100%/ 7.0 MPa/ 5 sec.	Удовлетворительно / Satisfactory
Визуальный контроль / Visual inspection (D01)	По стандарту / As per Standard	Удовлетворительно / Satisfactory
Контроль геометрических параметров / Dimensional inspection (D03)	По стандарту / As per Standard	Удовлетворительно / Satisfactory

Состояние поставки / Delivery condition (B04,Z01,Z05)

Общие условия / General condition	Трубы изготовлены и испытаны в соответствии с требованиями EN 10210-1:2006/ EN 10210-2:2019/ EN 10216-1:2013/ EN 10216-2:2013+A1:2019/ EN 10297-1:2003 и заказа / Pipes were produced and inspected according to requirements of EN 10210-1:2006/ EN 10210-2:2019/ EN 10216-1:2013/ EN 10216-2:2013+A1:2019/ EN 10297-1:2003 and order's requirements
Состояние поставки / Delivery condition	Трубы произведены способом горячей деформации, нормализованы при температуре 880-940 град С и охлаждены на воздухе / Pipes produced by Hot Forming process, normalized at the temperature 880 deg C to 940 deg, and cooled at air
Покраска / Coating	Трубы без покрытия / Pipes without coating
Маркировка краской / Marking paint (A04,B06)	INTERPIPE NIKO TUBE EN 10210 S275 J0H EN 10216-1 P265 TR2 EN 10216-2 P265GH TC1 EN 10297-1 E275+N pipe dimensions heat No stamp QD PO#order 15.12.21 pipe No Conformance symbol CE
Защита концов / Protection of pipe ends	Трубы без колпачков / Pipes without caps

Дополнительная информация / Additional information
Масса фактическая/Actual weight
Сертифицирован ТЮФ Тюринген по AD2000 Merkblatt W4 including paragraph 7, February 2013 и по Директиве 2014/68/EU для сосудов высокого давления; регистрационный номер сертификационного центра 0090. Сертификат соответствия на систему управления качеством № 31102006 QM15. / Approved acc. to AD2000 Merkblatt W4 including paragraph 7, February 2013 and certified acc. to Pressure Equipment Directive 2014/68/EU by TÜV Thüringen e.V.; notified body, reg.-no.0090. Conformance Certificate on Quality Management System № 31102006 QM15.
Завод сертифицирован по PED (Pressure Equipment Directive) 2014/68/EU (appendix 1 exp. 4.3 and 7.5) / The Mill is PED (Pressure Equipment Directive) 2014/68/EU (appendix 1 exp. 4.3 and 7.5) certified
Трубы обрезаются под прямым углом/Pipes are cut off under a right angle.

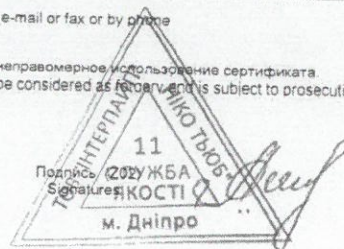
Страна происхождения: Украина / Country of origin: Ukraine
Ваши предложения по улучшению продукции просим направлять на эл. адрес / Please send Your proposals for improving the product by e-mail or fax or by phone
info@nsp.interpipe.biz www.interpipe.biz Phone: +380 566-630-133 Fax: +380 566-639-379
e-mail: info@eu.interpipe.biz Phone: +41-91-261-39-00 Fax: +41-91-261-39-01

Этот инспекционный сертификат относится только к перечисленным в нем продуктам. Недопустимо внесение изменений или другое неправомерное использование сертификата.
This inspection certificate is only for the listed products. Modification or unauthorized use of the certificate is strictly prohibited. Violations can be considered as forgery and is subject to prosecution

Инспекционный сертификат сформирован и проверен контролером Гриценко А.А.
/Inspection Certificate was drawn up and checked by the Certificate Inspector Grichenko A.A. (A05)

Дата: 15.06.2022 (Z02)
Date:

Подпись инспектора 3-й стороны: (Z03)
Signature of 3-rd Part Inspector:



Numer dokumentu / Document number / Bescheinigungsnummer: 2297 / E / 2024																		Strona / Page / Seite : 2 / 2	
(C71) Skład chemiczny / Chemical composition / Chemische Zusammensetzung [%]																		(D71-D90)* - Analiza kontrolna / Test analysis / Kontrollanalyse [%]	
(C71-C90)* - Analiza wytopowa / Heat analysis / Schmelzanalyse [%]																			
Nr wytopu / Heat No. / Schmelz Nr	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	N	Nb	B	V	Sn	As	CEV	Bq/kg
(C71-C90)* Wyt. / smel.	129959	0,16	0,54	0,19	0,012	0,009	0,04	0,07	0,010	0,14	0,0010	0,026	0,008	0,0010	0,0008	0,0020	0,008	0,27	< 100
(C00) Właściwości mechaniczne / Mechanical properties / Mechanische Eigenschaften																		(C02) Próba uderzeniowa / Impact test / Kerbschlagversuch	
(PIN-EN ISO 6892-1:2020-05 B):																		(PIN-EN ISO 148-1:2017-02)	
Kier. próbki do badań / Direction of test piece / Probenrichtung = L																		Kier. próbki do badań / Direction of test piece / Probenrichtung = L	
Temperatura (°C) = 20																		Wartości średnie / Mean Value / Mittelwert	
Temp. (°C) =																		Jednost. / Unit / Einheit	
R _{0,2} [MPa]																		Temperatura (°C)	
R _m [MPa]																		Wartość średnia / Mean value / Mittelwert	
A ₅ [%]																		HRB	
33,0																			
344																			
472																			
20795/21																			
(201) Producent deklaruje, że dostarczone wyroby są zgodne z warunkami zamówienia. / The producer guarantees that delivered goods are in accordance with the conditions of the order. / Der Hersteller bestätigt, dass die gelieferten Erzeugnisse den Bedingungen aus der Bestellung entsprechen.																			
(C53) Próba spłaszczania / Flattening test / Ringflattversuch :																		Wynik pozytywny / Positive result / Positives Ergebnis: +	
(C54) Próba rozciągania pierścienia / Ring expansion test / Ringaufdehnversuch :																		Wynik pozytywny / Positive result / Positives Ergebnis: +	
(D03) Badania wiroprądowe zamiast próby szczelności 100% / Eddy-current inspection instead of hydraulic test 100% / Wirbelstromprüfung statt dichtigkeitsprobe 100% (wg PN-EN ISO 10893-1:2011) :																		Wynik pozytywny / Positive result / Positives Ergebnis: +	
(D06) Kontrola wizualna i wymiarowa / Visual inspection and checking of dimensions / Besichtigung und Massprüfung :																		Wynik pozytywny / Positive result / Positives Ergebnis: +	
Numer odczytanych rur / Numbers of accepted tubes / Nummer der abgenommenen Röhre :																			
(C11) R _{0,2} (R _{0,2}) - Yield Strength																			
(C12) R _m - Tensile Strength																			
(C13) A ₅₀ - Ratio																			
																		- Elongation	
+Załącznik / Annex																			

Zawadzkie, dnia : 2024.09.25

Inspektor zakładowy / Works Inspector / Abnahmebeauftragter
Specjalista / Inspector
Anna Zyżik

A0: Numer dokumentu / Document number / Bescheinigungsnummer: 2465 / E / 2018																				Strona / Page / Seite : 2 / 2																			
(C71) Skład Chemiczny / Chemical composition / Chemische Zusammensetzung [%]																				(C71-C90)* - Analiza wytopowa / Heat analysis / Schmelzanalyse [%]										(D71-D90)* - Analiza kontrolna / Test analysis / Kontrollanalyse [%]									
Nr wytopu / Heat No. / Schmelze Nr	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	N	Nb	B	V	Sn	As	CEV	Bq/kg																				
(C71-C90)* 215807	0,13	0,54	0,19	0,008	0,006	0,05	0,04	0,010	0,12	0,0013	0,021	0,009	0,0020	0,0000	0,0020	0,010	0,003	0,24	< 100																				
Własności Mechaniczne / Mechanical properties / Mechanische Eigenschaften (PN-EN ISO 6892-1:2016-09 B):																				Próba uderzeniowa / Impact test / Kerschlagversuch (PN-EN ISO 148-1:2011-02)										Pomiar twardości / Hardness test / Härteprüfung (C32)									
Kier. próbki do badań / Direction of test piece / Probenrichtung = L (C02)																				Kier. próbki do badań / Direction of test piece / Probenrichtung = L (C08)										Wartości średnie / Mean Value / Mittelwert (C43)									
Temperatura (°C) = 20 (C11)																				Temperatura (°C) = 20 (C14)										Jednost. / Unit / Einheit (C03)									
Nr próby / Test piece No. / Probe Nr. 31285/18 31289/18																				R _{eH} [MPa] 399 / 399 390 / 385										R _m [MPa] 504 / 504 490 / 490									
A ₅ [%] 33.0 / 33.0 35.0 / 35.0																				R _{p0.2} [MPa]										Wartość średnia / Mean value / Mittelwert HRB									
(Z01) Producent deklaruje, że dostarczone wyroby są zgodne z warunkami zamówienia / The producer guarantees that delivered goods are in accordance with the conditions of the order. / Der Hersteller bestätigt, dass die gelieferten Erzeugnisse den Bedingungen aus der Bestellung entsprechen.																																							
(C53) Próba spłaszczania / Flattening test / Ringfaltversuch :																				Wynik pozytywny / Positive result / Positives Ergebnis:										+									
(C54) Próba rozciągania pierścienia / Ring expansion test / Ringaufdehnversuch :																				Wynik pozytywny / Positive result / Positives Ergebnis:										+									
(D03) Badania wiroprowodowe zamiast próby szczelności 100% / Eddy-current inspection instead of hydraulic test 100% / Wirbelstromprüfung statt dichtigkeitsprobe 100% (wg PN-EN ISO 10093-1:2011) :																				Wynik pozytywny / Positive result / Positives Ergebnis:										+									
(D06) Kontrola wizualna i wymiarowa / Visual inspection and checking of dimensions / Besichtigung und Massprüfung :																				Wynik pozytywny / Positive result / Positives Ergebnis:										+									
Numery odebranych rur / Numbers of accepted tubes / Nummer der abgenommenen Rohre :																																							

(WRA-16 lipiec-2017)

Zawadzkie, dnia : 2018-07-05

(002) Inspektor zakładowy / Works Inspector / Abnahmebeauftragter
 Specjalista Inspektor
 Irena JEROMEK

AD: Numer dokumentu / Document number / Bescheinigungsnummer: **2679 / E / 2018** Strona / Page / Seite : **2 / 2**

(C71) Skład Chemiczny / Chemical composition / Chemische Zusammensetzung [%]										(C71-C90)* - Analiza wytopowa / Heat analysis / Schmelzanalyse [%]										(D71-D90)* - Analiza kontrolna / Test analysis / Kontrollanalyse [%]				
Nr wytopu / Heat No. / Schmelze Nr	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	N	Nb	B	V	Sn	As	CEV	Bq/kg					
(C71-C90)* 217366	0,16	0,53	0,19	0,007	0,003	0,06	0,05	0,010	0,12	0,0015	0,023	0,009	0,0020	0,0000	0,0020	0,010	0,003	0,27						

(C00) Własności Mechaniczne / Mechanical properties / Mechanische Eigenschaften (PN-EN ISO 6592-1:2016-09 B)										(C02) Próba uderzeniowa / Impact test / Kerbschlagversuch (PN-EN ISO 148-1:2017-02)										(C32) Pomiar twardości / Hardness test / Härteprüfung				
(C02) Kier. próbki do badań / Direction of test piece / Probenrichtung = L										(C02) Kier. próbki do badań / Direction of test piece / Probenrichtung = L										(C32) Wartość średnia / Mean value / Mittelwert				
(C03) Temperatura (°C) = 20										(C03) Wartości średnie / Mean Value / Mittelwert										(C03) Jednost. / Unit / Einheit				
(C11) R _{eH} [MPa]										(C14) R _{p0,2} [MPa]										(C13) A ₅ [%]				
31471/18 411 / 405 / 411 410 / 404										31488/18 476 / 470 / 476 500 / 500										34.0 / 34.5 / 34.0 32.0 / 32.5				

(Z01) Producent deklaruje, że dostarczone wyroby są zgodne z warunkami zamówienia. / The producer guarantees that delivered goods are in accordance with the conditions of the order. / Der Hersteller bestätigt, dass die gelieferten Erzeugnisse den Bedingungen aus der Bestellung entsprechen.										(C53) Próba splaszczania / Flattening test / Ringflattversuch :										(C54) Próba rozciągania pierścienia / Ring expansion test / Ringaufdornversuch :				

(D03) Badania wiroprowodowe zamiast próby szczelności 100% / Eddy-current inspection instead of hydraulic test 100% / Wirbelstromprüfung statt dichtigkeitsprobe 100% (wg PN-EN ISO 10893-1:2011) :										(D06) Kontrola wizualna i wymiarowa / Visual inspection and checking of dimensions / Besichtigung und Massprüfung :										(D02) Inspektor zakładowy / Works Inspector / Abnahmebeauftragter				

Numer odebranych rur / Numbers of accepted tubes / Nummer der abgenommenen Rohre:

Specjalista koordynator Inspektor

Zawadzkie, dnia : 2018-07-25

Konrad ANDRECKI