

PJSC INTERPIPE NTRP 21 Stoletova Street 49081 DNIPRO CITY UKRAINE	 	INSPECTION CERTIFICATE 3.1 EN 10204:2004 No. : 499NT19 Page: 1 / 5 Date: 02.03.2019
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(A01) PJSC INTERPIPE NTRP	(A08.1) Vallourec-Order-No. 252850 (A08.2) Suborder
(A06.1) Consignee Unitube Sp. z o.o. Ul. Rudna 1 41-260 SBawków	
(A06.2) Orderer UNITUBE Sp. z o.o. / 47-120 / awadzkic	(A07.2) Orderer Order-No. ZZ-48/19 15.01.2019
(B01, B02, B04) Description of the product	Hot finished seamless steel pipes EN 10216-3, TC 1, 2013 EN 10210-1, 2006 EN 10297-1, 2003 DIN 1629, 1984 EN 10210-2, 2006 Vallourec, PSGM, Rev. 4, August 29-2018 P355N TC1, EN 10216-3 S355J2H, EN 10210-1 E355 + N, EN 10297-1 St52.0 N, DIN 1629 Ends plain, square to tube axis, deburred Without outside rust protection Without inside rust protection
(A14)  	
The works operate a Quality Management System according to European Pressure Equipment Directive (PED) 2014/68/EU Annex I Par. 4.3 (Certificate 0090-151-0486 issued by TÜV Thüringen valid until November 30-2019)	
The manufacturer of pipes is certified in acc. with ISO 9001:2015 UID I - authorization certificate #-245/2-17 validity June 2019.	

(A13) Vallourec Item	(A09) Orderer Item	(B14) Item text	(B09) Dimensions	(B10) Single length
53		PURCHASE-NUMBER 0400328808/00530	EN 10 216-3 OD 139.7 x WT 4 mm OD Tol $\pm 1\%$ WT Tol : -10 %, localised -12.5 % allowed, + 12.5 %	Fixed length 12000 mm Tolerances on length -0 + 200 mm

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(A13) Vallourec Item	(A09) Orderer Item	(B08) Quantity P	(B11) Total length m	(B13) Weight kg
53		56	676.07	9 656

(C71)

HEAT CHEMICAL ANALYSIS

(B07.1) Heat	(B15) Process	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	Al %
min	-	-	-	0.9	-	-	-	-	-	-	0.02
max	-	0.2	0.5	1.6	0.025	0.02	0.3	0.08	0.5	0.3	-
1185740	Electrical (EAF)	0.18	0.22	1.3	0.015	0.003	0.08	0.008	0.09	0.15	0.031

(B07.1) Heat	Ti %	Nb(Cb) %	V %	N %	1003 %						
min	-	-	-	-	-						
max	0.04	0.05	0.1	0.02	0.45						
1185740	0.001	0.002	0.003	0.006	0.431						

1003

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

Heats fully killed

Steel is produced by INTERPIPE STEEL (MP DNEPROSTEEL LLC) #Vinokurova str., 4, Dnipro, Ukraine 49051

(C72)

PRODUCT CHEMICAL ANALYSIS

(B07.1) Heat	(C00.1) Test Piece	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	Al %
min		-	-	0.9	-	-	-	-	-	-	0.02
max		0.2	0.5	1.6	0.025	0.02	0.3	0.08	0.5	0.30	-
1185740	1	0.18	0.21	1.32	0.013	0.003	0.09	0.01	0.06	0.15	0.033

PJSC INTERPIPE NTRP 21 Stoletova Street 49081 DNIPRO CITY UKRAINE	(A01)	 	INSPECTION CERTIFICATE 3.1 EN 10204:2004	(A02)
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(C72)

PRODUCT CHEMICAL ANALYSIS

(B07.1) Heat	(C00.1) Test Piece	Ti %	Nb(Cb) %	V %	1003 %						
min		-	-	-	-						
max		0.04	0.05	0.1	-						
1185740	1	0.005	0.002	0.005	0.435						

1003	$CE (IIW) = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$
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Steel is produced by INTERPIPE STEEL (MP DNEPROSTEEL LLC) #Vinokurova str., 4, Dnipro, Ukraine 49051
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TENSILE TEST RESULTS

Direction	L
Temperature	+20

(B07.1) Heat	(C00.1) Test Piece	(C10.2) Dimension	(C11) YS	(C12) TS	(C13.2) Elong.	(C14.1) Ratio					
		MM / MM2	$R_{p0.2}$ MPA	R_m MPA	Uniform %	R/R_m -					
min		-	355	500	22	-					
max		-	-	630	-	-					
1185740	1 518	10x4 40	374.79	554.09	29.14	0.68					

Column Test Piece contains Inspection Lot Number
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(C00.1) Test Piece	Sample HT lot / Inspection Lot
(C10.2) Dimension	Test piece dimensions Test piece area

IMPACT TEST RESULTS

Type	Charpy
Type	KV
Test temperature	-20
Direction	L

PJSC INTERPIPE NTRP 21 Stoletova Street 49081 DNIPRO CITY UKRAINE	(A01)  	INSPECTION CERTIFICATE (A02) 3.1 EN 10204:2004 No. : 499NT19 (A03) Page: 4 / 5 Date: 02.03.2019
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IMPACT TEST RESULTS

(B07.1) Heat	(C00.1) Test Piece	(C10.2) Dimension	(C42.1) Impact1	(C42.1) Impact2	(C42.1) Impact3	(C43.1) Mean					
		MM / MM2	J	J	J	J					
min		-	40	40	40	40					
max		-	-	-	-	-					
1185740	1 518	10x10 80	103.2	98.4	104	101.87					

Column Test Piece contains Inspection Lot Number

(C00.1) Test Piece	Sample HT lot / Inspection Lot
(C10.2) Dimension	Test piece dimensions Test piece area

(C50)

TECHNOLOGICAL AND OTHER TESTS ON SPECIMENS

Test	Conditions	Test rate	Result
Drift expanding test / Flaring test	According to standard	100%	Satisfactory
Flattening test	According to standard	100%	Satisfactory

(D55)

OTHER TESTS ON PIPE

Test	Conditions	Test rate	Result
Hydrostatic test	7 MPa / 5sec	100%	Satisfactory
Appearance & Dimensions		100%	Satisfactory
Positive Material Identification		100%	Satisfactory

(A04, B06)

MARKING, IDENTIFICATION

Continuously paint stenciled  VALLOUREC	{Vallourec Logo VALLOUREC} INTERPIPE NTRP EN 10210-1/EN 10210-2/EN 10297-1/EN 10216-3/DIN 1629 E355+N/P355N TC1/S355J2H/St 52.0 N S 139,7 4,0 (HEAT) {inspector mark} PO#252850,53
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(/01)

The supplied products are in compliance with the requirements of the order

PJSC INTERPIPE NTRP 21 Stoletova Street 49081 DNIPRO CITY UKRAINE	(A01)	 	INSPECTION CERTIFICATE 3.1 EN 10204:2004	(A02)
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(A05, /02, /03, /05)

Date	02.03.2019	
Validated by	Inspection Representative	Vallourec Representative
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✉		
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Stamp		

Indication in parentheses correspond to attributes according to EN 10168

This testimonial and certification respectively may neither be modified nor used for other products. Offences are regarded as falsification of documents and will be subject to criminal prosecution.

PJSC INTERPIPE NTRP PJSC INTERPIPE NTRP 21 Stoletova Street 49081 Dnipro City		TUBE/ PIPE LIST
		No. : 499NT19 Page : 1 / 1 Date : 02.03.2019

Customer Unitube Sp. z o.o. Ul. Rudna 1 41-260 Siławków Orderer Order-No. Item				Vallourec-Order-No. 252850 Item 53 Suborder			
Tally-No	Bundle	Heat	Insp. Lot	Total Length	Pieces	Actual Gross Weight	Actual Net Weight
				m		kg	kg
0001	19-VR7-02144	1185740	518	168.860	14.000	2422	2412
0002	19-VR7-02145	1185740	518	169.170	14.000	2428	2418
0003	19-VR7-02146	1185740	518	168.950	14.000	2420	2410
0004	19-VR7-02147	1185740	518	169.090	14.000	2426	2416
Summary				676.070	56.000	9696	9656