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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 6543 Date: 28.09.2022	Manufacturer's mark:	Customer Order No. : 179PROD/2022	PL: 1333
CUSTOMER- NIMFA-COM SRL			
Specification: EN10210-1:06/ EN10210-2:19/ EN 10216-1:13/ EN 10216-2:13/ ASTM A106:19/ EN 10297-1:03/ ISO 3183:19/ PED 2014/68/EU		Dimensions: 60.3 x 4 x 6 000+100/-0 mm Steel: S355J2H/ P265TR2/ P265GH TC1 Gr. B/ E275/ L245	
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. : R59253		Steel melt and rolled in Romania	
Quantity delivered	Pcs.	Length - (m)	Weight- Kg
	166	996.0	5610

Ladle Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B	CEV
R59253	0.18	1.07	.003	.013	0.22	0.08	0.09	0.03	0.25	.020	.002	.001	.002	0.0004	0.405

Nb+V=0.004

Nb+V+Ti=0.005

Product Chemical Analyse (%)

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V	B
R59253	0.17	1.06	0.004	0.016	0.22	0.08	0.09	0.02	0.27	0.021	0.001	0.001	0.001	0.0004
R59253	0.18	1.06	0.003	0.015	0.22	0.08	0.09	0.02	0.26	0.022	0.001	0.002	0.001	0.0004

Mechanical Properties

TENSILE TEST (1. EN ISO 6892-1/ 2. ASTM A370) -- at room temperature-				Rp0,2	Rt0,5	Rm	A
Test Specimen _ Strip-longitudinal				N/mm ²	N/mm ²	N/mm ²	%
Dimension (mm): 1. 15.60 x 4.10 / 2. 19.30 x 4.20				1. 408	-	536	30
Section (mm ²): 1. 64.79 / 2. 82.67							
Length - (Lo) (mm) : 1. 45 / 2. 50.8				2. -	414	529	30
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	30 (27; 31; 32) J (0 ⁰ C)		120 (108; 124; 128) J (0 ⁰ C)			
Hydraulic test pressure 20.5 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 “

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



This MTC is digitally signed and sealed by TMK -ARTROM S.A. IT system. The document is valid without handwritten signatures.

CE	
0036- CPR-M-008-2007	
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:	expressed as indicated in the DoP
Elongation:	
Tensile strength:	
Yield strength:	
Impact strength:	
Weldability:	
Durability:	
Dangerous substance: No performance determined	

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.