



TMK-ARTROM S.A.

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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**

<b>No: I 6891</b> <b>Date: 24.10.2022</b>	<b>Manufacturer's mark:</b>	<b>Customer Order No.: 183</b>	<b>PL: 1449</b>
<b>CUSTOMER: NIMFA-COM SRL</b>			
<b>Specification:</b> EN10210-1:06/ EN10210-2:19/ P10216-3:13/ EN 10216-2:13/ EN 10216-1:13		<b>Dimensions: 108 x 4 x 6 000+100/-0 mm</b> <b>Steel: S355J2H/ P355NL1 TC1/ P265GH TC1/ P265TR2</b>	
<b>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</b>			
<b>Heat No.: R59543</b>		<b>Steel melt and rolled in ROMANIA</b>	
<b>Quantity delivered</b>	<b>Pcs.</b>	<b>Length - m</b>	<b>Weight- Kg</b>
	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**

<b>TENSILE TEST (EN ISO 6892-1)</b> <b>- at room temperature-</b> <b>Test Specimen / Strip-longitudinal</b>			<b>Rp0,2</b> N/mm <sup>2</sup>	<b>Rm</b> N/mm <sup>2</sup>	<b>A</b> %
Dimension (mm): 15.90 x 4.30			404	552	30
Section (mm <sup>2</sup> ): 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 10893-1: 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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<b>TMK-ARTROM S.A. Draganesti Street, No.30, 230119, SLATINA, OLT, ROMANIA</b>	
22 No. 6-5E / CPR 18-10-22	
<b>EN 10210-1:2006</b>	
S355J2H / 1.0576	
intended to be used in metal structures or in composite metal and concrete structures	
<b>Tolerances:</b> <b>Elongation:</b> <b>Tensile strength:</b> <b>Yield strength:</b> <b>Impact strength:</b> <b>Weldability:</b> <b>Durability:</b>	<b>expressed as indicated in the DoP</b>
<b>Dangerous substance: No performance determined</b>	

**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.**