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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 5508 Date: 23.06.2021	Manufacturer's mark: 	Customer Order No. :	PL: 1810
CUSTOMER- NIMFA-COM SRL			
Specification: PED 2014/68/EU+ AD 2000W4+EN 10216-2:13/ ASTM A106:19		Dimensions: 159 x 8 x 6 300+150/-0 mm Steel: P235GH TC1/ P265GH TC1 / Gr.B	
Description: Hot rolled seamless steel pipes; marking at one end: manufacturer's mark, standard, steel grade, S, heat no., lot no., mill inspector no. 5, technical control sign,			
Heat No. : 52314			
Quantity delivered	Pcs.	Length - m	Weight- Kg
	7	44.94	1340

Ladle Chemical Analysis [%]

Heat no.	C	Mn	S	P	Si	Ni	Cr	Mo	Cu	Al	Nb	Ti	V
52314	0.13	0.53	0.002	0.009	0.23	0.06	0.04	0.01	0.21	0.025	0.001	0.001	0.001

Mechanical Properties

TENSILE TEST (1. EN ISO 6892-1/ 2. 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. 15.60 x 8.05 / 2. 19.30 x 8.10				1. 370	373	467	35
Section (mm ²) : 1. 125.58 / 2. 156.33							
Length - (Lo) (mm) : 1. 45 / 2. 50.8				2. 377	380	461	36
Drift expanding test (EN ISO 8493)	Flattening test (EN ISO 8492)	Charpy V - Notch (EN ISO 148-1) KV/Longitudinal 7.5 x 10 [mm]		Charpy V - Notch (EN ISO 148-1)			
OK	OK	99 (104; 100; 92) J (0° C)		-			
Hydraulic test pressure (ASTM A530): 17.0 MPa for 5 sec: OK Melting process: electric arc furnace, fully killed Grain size ASTM E 112: 9.0				Heat treatment: normalized during hot rolling process, temperature between 880°C - 940°C and cooled in still air Bending test (ASTM A106 point I): 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 PRODUCTS DELIVERED ARE CONTROLLED ON RADIOACTIVITY RESPECTIVELY ARE FREE FROM ADDITIONAL IONIC RADIATION

Sef serviciu CTC Laboratoare
 QC & LABORATORIES CHIEF
 Dipl. Eng. Silviu Barbulescu



INSPECTOR CTC
 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)"

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.