

A01  
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A02  
**Certificat de inspectie**  
**Inspection certificate**  
**EN10204-3.1**

A03  
 Document No.  
**1000947194**



A06 Customer  
 ONNINEN OY PO BOX 1 00016 Helsinki FI

A07	Purchase order No.	<b>ONY/ 4501054</b>	A08	Order No.	<b>3002002655/10</b>	A10	Delivery Note	<b>8002005894/10</b>
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Product code: CFTPLNB

B01-B06	Product	Product Type : Welded Press tubes EN10217-1, Technical Norm : EN 10217-1 [2019], Dimension Norm : EN 10220 [2002], Size code : TB 219,1 x 4,5, Steel Grade : P235TR1, Steel Condition : As welded, Surface Type : Black, Length : 6.000,00 mm, Length Upper Tol. : 50,00 mm, Length Lower Tol. : 0,00 mm, Coating Value : made from HRC, Conservation : No Conservation, Corosion poss, Inside weld seam removed : Yes, Ends Type : Plain ends, Ends Value : Machined ends_2x90° Ink-printed - at one tube-end ; ARCELORMITTAL IASI S.A./H/L
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B09	Dimensions	B10	Total length [m]	B08	Pieces	B12-B13	Weight [kg]	B14	Bundles
	TB 219,1 x 4,5		294,00		49,00		7.000,00		7

C71-C92 Chemical composition

B07.1	Heat	B07.2	Batch	C	Mn	Si	P	S	Al	N	Cu	Cr	Mo	Ni	V	Nb	Ti	B	Sn	CEV	
	B18978		23C154	0.08	0.35	0.010	0.010	0.014	0.032	0.0033	0.036	0.031	0.002	0.022	0.000	-	0.001				0.15

**Mechanical properties**

B07.1	Heat	B07.2	Batch	C01	Location of the sample	C02	Direction of sampling of test pieces	C03	Test temperature (°C)	C30-32	Other tests - hardness										
				180		L		2													
				C11	Yield or proof strength [MPa]	C12	Tensile strength [MPa]	C13	Elongation after fracture [%]	D52	Other tests # roughness [um]										
								A5	A10	A50	A80	Ag	Agt								
	B18978		23C154	359		415		32.6													
B07.1	Heat	B07.2	Batch	C44	Temperature [°C]	C41	Width of test sample [mm]	C02	Impact test # direction	C40	Impact test # type	C42	KVtest 1 [J]	C42	KVtest 2 [J]	C42	KVtest 3 [J]	C43	KVaverage test [J]		
	B18978		23C154																		


C10	Shape of test piece matches standard EN ISO 6892-1/16	C93	
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C60	Flattening test	<input checked="" type="checkbox"/>	C61	Expanding test		C52	Bend Test	
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Z01	We hereby certify that the products were tested and are in compliance with order requirements.	Z05	Management system acc. to EN ISO 9001:2015. Certificate nr. 12 100 8457 TMS
		Z06	Name and stamp of the inspection representative (EXTERNAL)

D01	Surface and dimension - tested according to purchase order
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D02	Non-destructive tests	D51	Hydr. Test	D03	Electromagnetic test	Z04	
	EN ISO 10893-2/E3H		hydrotest 70bar/5s				

Z02	Date of issue and validation	09.06.2023	Z03	Stamp of the inspection representative	
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