





A02 Inspection certificate "3.1" (EN 10 204)

A03 Document No.: 76846/10

A07	Customer's Order (P.O.) No./Item No.: 501-101152	A08	Manufacturer's Works Order No.: 1511/13127/0/10										
A11	Supplier's Order No.:	A10	Advice - Note No.: 068550										
B08, B12, B13	Quantity delivered: <table border="1"> <tr> <td>pcs bdls</td> <td>mtrs feet</td> <td>B13-Actual mass kgs lbs</td> </tr> <tr> <td>7</td> <td>82.100</td> <td>4050</td> </tr> </table>	pcs bdls	mtrs feet	B13-Actual mass kgs lbs	7	82.100	4050	A06	Customer: PVK s.r.o. r.o. Vrbenská 6 371 47 České Budějovice Czech Republic				
pcs bdls	mtrs feet	B13-Actual mass kgs lbs											
7	82.100	4050											
B09-11	Dimensions: 219.1 x 6.30 mm												
B02	Steel designation: L245NB												
B01, B03, B04	Product, conditions and terms of delivery: Seamless steel tubes, trubky ocelové bezešvé hladké, EN 10220/02, EN 10208-2/09, Normalized hot finished - Normalizačně doválcované. PE coating acc. to / PE izolace dle DIN 30670-N-v. Cement KN 42 0025/03, FZM-S												
A04, B05	Marking: Manufacturer's mark, mill inspector's stamp NH  												
C71-92	Heat(H) and product(P) chemical analyses c70 Steel made by basic oxygen process, fully killed, strand cast. (%)												
B07	Heat No.:	C	Mn	Si	P	S	Cu	Ni	Cr	Mo	Al	N	V
	17867K H	0.12	0.55	0.217	0.017	0.010	0.13	0.03	0.05	0.006	0.040	0.0055	<0.003
	17867K P	0.13	0.54	0.216	0.016	0.008	0.13	0.03	0.05	0.007	0.038	0.0064	0.003
	20332K H	0.14	0.56	0.222	0.007	0.008	0.06	0.02	0.03	0.005	0.037	0.0033	<0.003
	20332K P	0.12	0.56	0.215	0.007	0.007	0.05	0.02	0.03	0.004	0.037	0.0040	<0.003
Z99	<input checked="" type="checkbox"/> continues on appendix												
B07	Test results:	MPa	MPa	% 5D	L-5- 30J/ 0°C								
C04	Heat No. / Specimen No.	c11 Yield point	c12 Tensile Strength	c13 Elongation	c40-43 Impact test	c30-32 Hardness							
	Requirem.: L245NB	245 - 440	min. 415	min. 24.0	∅ min.	max.							
					∅ min.	max.							
	17867K	313	440	25.3	67 66 66 68								
	20332K	343	454	30.6	81 80 80 82								
Z99	<input type="checkbox"/> continues on appendix												
D01	Visual and dimensional inspection with satisfactory results	<input checked="" type="checkbox"/>	D51	Hydraulic test - min. test pressure and test pressure duration	MPa	11.70/10 s							
C50	Flattening test () - satisf.	<input type="checkbox"/>	D02	The pipes tested on tightness by NDT in acc. to		<input type="checkbox"/>							
C51	Expanding test () - satisf.	<input type="checkbox"/>											
C52	Bending test - satisfactory	<input type="checkbox"/>											
C53	Ring expanding test (DIN EN 10236) - satisf.	<input type="checkbox"/>	D03	Nondestructive Electromagnetic Testing									
C54	Ring tensile test () - satisf.	<input type="checkbox"/>											
Elektroinductive resistance test by 100% / Provedena 100% elektrojskrová zk. neprodyšnosti (25kV) - satisfactory. Ultrasonic examination of EN 10246-7/05-(U3/C)-UZ - satisfactory. Residual magnetic field - zbytkový mag.[mT] max.3 - satisfactory.													
Z01	All pipes conform to the above mentioned standards and ordering requirements and agreements.											35	

ArcelorMittal

ArcelorMittal Tubular Products Ostrava a.s.
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Řízení jakosti

Z02 Date of issue 20.12.2010/P019412

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A05 QA Department
Vratimovská 689
707 02 Ostrava-Kunčice
Czech Republic

Dipl. Ing. Pekař
Work's Inspector
Z02 Validation



Location Specimen: add.C11-13).....1L,
Pipe No./ Rohr. Nr. - č.trubek: Appendix 76846A....
Hodnota hmotnostní aktivity ionizujícího záření v tavební analýze nepřesahuje 100 Bq/kg.
Mass activity value of the ionising radiation in the heat analysis does not exceed 100 Bq/kg.

C71-92 Heat(H) and product(P) chemical analyses												(%)
B07	Heat No.	Ceq										
	17867K H	0.24										
	P	0.24										
	20332K H	0.24										
	P	0.23										

Test results:					%		
B07	Heat No.	c00 Specimen No.	c11 Yield Point	c12 Tensile Strength	c13 Elongation	c40-43 Impact Test	c30-32 Hardness



ArcelorMittal

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35

Z02 Date of Issue 20.12.2010/PO19412

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Dipl. Ing. Pekař
Work's Inspector
z02 Validation

E.z. 2575/16/15/P



SAP delivery : 8150068550

W.O. No. 131 270 219.1 mm x 6,30 mm L245NB

Bundle - 1	ID Heat	Length	Weight	Cover no.	
5 893 121	17867K	11 500 mm	37.73 Ft	384 kg 847 LB	5 893 121
5 893 124	17867K	11 700 mm	38.39 Ft	384 kg 847 LB	5 893 124
Summary -	2 pcs	23 200 mm	76,12	768 kg 1 694 LB	
Bundle - 2	ID Heat	Length	Weight	Cover no.	
5 893 170	20332K	11 700 mm	38.39 Ft	391 kg 862 LB	5 893 170
Summary -	1 pcs	11 700 mm	38,39	391 kg 862 LB	
Bundle - 3	ID Heat	Length	Weight	Cover no.	
5 893 187	20332K	11 900 mm	39.04 Ft	397 kg 875 LB	5 893 187
5 893 181	20332K	11 800 mm	38.71 Ft	394 kg 869 LB	5 893 181
5 893 185	20332K	11 800 mm	38.71 Ft	394 kg 869 LB	5 893 185
5 893 191	20332K	11 700 mm	38.39 Ft	391 kg 862 LB	5 893 191
Summary -	4 pcs	47 200 mm	154,86	1 576 kg 3 475 LB	
Summary -	7 pcs	82 100 mm	269,36	2 735 kg 6 031 LB	



SAP dodávky : 8150068550

Zakázka č. 131 270 219.1 mm x 6,30 mm L245NB

Svazek - 1	ID tavba	délka	hmotnost	č. PE izolace
	5 893 121 17867K	11 500 mm	37.73 Ft	5 893 121
	5 893 124 17867K	11 700 mm	38.39 Ft	5 893 124
Počet trubek -	2 ks	23 200 mm	76,12	
			768 kg	1 694 LB
Svazek - 2	ID tavba	délka	hmotnost	č. PE izolace
	5 893 170 20332K	11 700 mm	38.39 Ft	5 893 170
Počet trubek -	1 ks	11 700 mm	38,39	
			391 kg	862 LB
Svazek - 3	ID tavba	délka	hmotnost	č. PE izolace
	5 893 187 20332K	11 900 mm	39.04 Ft	5 893 187
	5 893 181 20332K	11 800 mm	38.71 Ft	5 893 181
	5 893 185 20332K	11 800 mm	38.71 Ft	5 893 185
	5 893 191 20332K	11 700 mm	38.39 Ft	5 893 191
Počet trubek -	4 ks	47 200 mm	154,86	
			1 576 kg	3 475 LB
Celkem trubek -	7 ks	82 100 mm	269,36	
			2 735 kg	6 031 LB