


Buderus Edelstahl GmbH Buderusstraße 25, 35576 Wetzlar	Buderus Edelstahl		
NJSB TAG NO. 191	Inspection certificate EN 10204-3.1		Stempel des Abnahmebeauftragten Inspectors Stamp
	Certificate No. 305720/1		
	Our Reference No. Pos. 512086 1		

Heat No.
19777

Melting process	Electric steel
Casting method	Ingot casting
Material Grade	80CrV2
Steel gr.no.	2235
Production order	4316161
Shipment no./Date	6021770695/27.07.2018
Invoice No./Date	6035011734/01.08.2018

Material description.	: Hot rolled Strip skin passed
Customer Order-No.	: PO-000041 Pos. 5

Specification	: Analysis:
	C 0.75 - 0.85 %
	Si 0.15 - 0.35 %
	Mn 0.30 - 0.50 %
	P max. 0.025 %
	S max. 0.020 %
	Cr 0.40 - 0.60 %
	Ni max. 0.40 %
	Mo max. 0.10 %
	V 0.15 - 0.25 %

Dimension	: 9.78 x 400.00 x 1,219.20 mm (.385 x 15.75 x 48") thickness tolerance +0.075 /-0.075 mm (+/- .003") width tolerance +4.68 /-0.00 mm (+.184/-0") length 1,219.20 mm +12.00 / -0.00 mm (48 +.47/-0")
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Chemistry Analysis (% - H [Hydrogen] in ppm)									
19777	C	Si	Mn	P	S	Cr	Ni	Mo	
	0.790	0.330	0.391	0.0059	0.0010	0.492	0.060	0.010	
	V								
	0.160								

Hardness Test		
K6161	HBW:	666.6 MPa

We confirm, the material contains no radioactive contamination, that exceeds the natural values. The relevant legal requirements are kept.

Certificate is prepared by EDP-System and is valid without signature.
We hereby certify, the above mentioned material is in accordance with the terms of the order.

Approval & Certification	Manufacturer Works inspector	Page 1 of 1
Wetzlar, 02.08.2018	Kai-Lukas Lotz	Enclosures <input type="checkbox"/>