


Buderus Edelstahl GmbH Dillfeld 40, 35576 Wetzlar		<b>Buderus</b>   Edelstahl	
<b>NJSB Tag No. 1689</b>	Inspection certificate <b>EN 10204-3.1</b>		<small>Stempel des Abnahmebeauftragten Inspectors Stamp</small>
	Certificate No. <b>419009/1</b>		
	Our Reference No. Pos. <b>518672                    2</b>		

Heat No.  
**31944**

Melting process	Electric steel														
Casting method	Ingot casting														
Material Grade	52100														
Steel gr.no.	3505														
Production order	4391965														
Shipment no./Date	6021771773/17.02.2023														
Invoice No./Date	6035012027/20.02.2023														
Material description	: Hot rolled strip skin passed														
Customer Order-No.	: PO246														
Specification	: Chemistry: C: 0.93 - 1.05 % Si: 0.15 - 0.35 % Mn: 0.25 - 0.45 % P: max. 0.025 % S: max. 0.015 % Cr: 1.35 - 1.60 % Mo: max. 0.10 %														
Dimension	: 3.429 x 406,40 x 1,224.5 mm (.135 x 16 x 48,2") thickness tolerance +0,060 /-0,060 mm (+/- .00236") width tolerance +4,200 /-0,000 mm (+.165/-0") length 1.224,50 mm +12,00 / -0,00 mm (48,2 +.47/-0")														
<b>Chemistry Analysis (% - H [Hydrogen] in ppm)</b>															
31944	<table border="1"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Mo</th> </tr> </thead> <tbody> <tr> <td>0.968</td> <td>0.217</td> <td>0.332</td> <td>0.0043</td> <td>0.0010</td> <td>1.489</td> <td>0.067</td> </tr> </tbody> </table>	C	Si	Mn	P	S	Cr	Mo	0.968	0.217	0.332	0.0043	0.0010	1.489	0.067
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0.968	0.217	0.332	0.0043	0.0010	1.489	0.067									

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	<b>Manufacturer</b> Works inspector	Page 1 of 1
Wetzlar, <b>22.02.2023</b>	Kai-Lukas Lotz	Enclosures <input type="checkbox"/>