

# Shandong Luxing Steel Pipe Co., Ltd

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959 Luxing Road Qingzhou City, Shandong Province P.R.China

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## MILL'S TEST CERTIFICATE

CONTRACT NO.: 504/8851

CUSTOMER: **Salzgitter Mannesmann  
International GmbH**

Schwannstr.12

DE 40476 Dusseldorf

CERTIFICATE NO.: 504/8851 -01

DATE: Dec. 15<sup>th</sup>, 2010

11522  
L03H03C  
13 MAY 2011  
270179  
129,808

<b>DESCRIPTION OF GOODS:</b>												
<b>MATERIAL DESCRIPTION:</b>												
<b>COMMODITY:</b> Seamless Steel Pipes acc. to ASTM A106, Grade B, API 5L Grade X42, in 11.8 meter lengths, temporary anti-rust coating (varnish), bevelled ends, caps to protect, marking on the pipes(all material standards/grades shall be stencilled on the pipe)												
<b>SPECIFICATION:</b> ASTM A 106 /API 5L						<b>STEEL GRADE:</b> Grade. B/ Grade X42						
<b>SIZE:</b> 141.30mm× 6.55mm						<b>LENGTH:</b> 11.8M						
<b>CONDITION OF DELIVERY:</b> Hot-rolled						<b>STEEL MAKING PROCESS:</b> Hot-rolled						
<b>QUANTITY DELIVERED</b>	<b>Heat No.</b>		<b>PIECES</b>		<b>BUNDLES</b>		<b>THEORETICAL WEIGHT</b>					
	WB01-4723		80		8		20.560MT					
<b>TEST RESULT</b>												
<b>Full Chemical analysis (%)</b>	<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Cr</b>	<b>Ni</b>	<b>Cu</b>	<b>Mo</b>	<b>V</b>	<b>Ti</b>	<b>Nb</b>
	0.19	0.22	0.48	0.018	0.006	0.029	0.012	0.028	0.003	0.001	0.002	0.002
<b>Full Physical and Mechanical analysis</b>	<b>Tensile strength (MPa)</b>		<b>Yield strength (MPa)</b>			<b>Elongation (%)</b>		<b>Hydrostatic test</b>				
	505		335			38		<b>Pressure (MPa)</b>		<b>Time (S)</b>		
	500		330			36		21		6		
<b>Magnetic leakage</b>			<b>Ultrasonic Testing</b>			<b>Flattening test</b>						
/			/			OK						

**VISUAL INSPECTION AND DIMENSIONAL CHECK: OK.**

**WE DECLAR THAT THIS TEST CERTIFICATE IS ISSUED ACCORDING TO EN10204 3.1 AND THE MATERIAL DESCRIBED ABOVE HAS BEEN MANUFACTURED ACCORDING TO THE SPECIFICATION AND THE ORDER AND MEET THE REQUIREMENTS OF THE SPECIFICATION AND THE ORDER.**

**AUTHORIZE SIGNATURE:**

For and on behalf of

**QUALITY CONTROL DEPARTMENT**

Shandong Luxing Steel Pipe Co., Ltd  
Authorized signature