

NJSB TAG NO. 356

Inspection certificate  
EN 10204-3.1

Certificate No.  
319434/1

Our Reference No. Pos.  
514151 1



Stempel des  
Abnahmebeauftragten  
Inspectors Stämp

Heat No.  
21521

Melting process Electric  
Casting method steel Ingot  
Material Grade casting 0618  
Steel gr.no. 1045  
Production order 4334553  
Shipment no./Date 6021770918/05.02.2019  
Invoice No./Date 6035011767/14.02.2019

Material description : Hot rolled Strip

Finish : Type DIN EN 10048  
oiled, mill edges

Customer Order-No. : Email dated December 19th

Specification : Analysis:

C 0.90 - 0.99 %  
Si 0.10 - 0.30 %  
Mn 0.30 - 0.70 %  
P max. 0.040 %  
S max. 0.040 %

Dimension : 3,560 x 250,000 mm ( .140 x 9.843'' )  
thickness tolerance +0,170 /-0,170 mm ( +/- ,007 )  
width tolerance +3,900 /-0,000 mm ( + .154/- 0.00 )

Chemistry Analysis (% - H [Hydrogen] in ppm)

21521	C	Si	Mn	P	S
	0.962	0.230	0.458	0.0043	0.0010

Tensile Sample / Tensile Test

C4553 test direction L  
Temperature: 23 °C  
YS: 335 MPa  
UTS: 606 MPa  
El: 16.6 %

Annealed-Structure:

C4553 spherodized carbides: 95 %

C4553 decarburisation /mm: 0.00 mm

Guaranteed

E Sauerstoff (Stäbchenprobe 6x60mm!)  
E lXCharge, max.-Wert wird garantiert  
E Prüfbemerkung

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  Wetzlar, 14.02.2019	Manufacturer Works inspector  Jan Dienstbach	Page 1 of 1  Enclosures <input type="checkbox"/>
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