



# Inspection Certificate

EN 10204 - 3.1

Certificate No: 4153 / 2018

Order-No.:  
14.05.2018

Confirmation-No.:  
80155380 / 1

Material: Ferrochronin 600

Mat.-No.: 2.4816  
DIN S N06600

Form of delivery: bars

Dimension: dia. 50,800 mm

Specification: ASTM B 166-11,  
ASME SB 166-07,  
BS 3076-89 NA14,  
AMS 5665 M-2006  
(only chem. Analysis),  
DIN 17742-02, DIN 17752-02,  
DIN EN ISO 15156-3:2010 /  
NACE MR 0175

Condition: hot worked, annealed, peeled

Net Weight:  
588,50 kg

No. of pieces:  
9 bars

Heat-No.:  
86229

## MEASURED VALUES

Melting Composition (mass-%):

Al	Co	Cr	Cu	C	Fe	Mn
0,15	0,022	16,02	0,001	0,073	10,00	0,20
Nb	Ni	P	Si	S	Ta	Ti
0,004	72,95*	0,005	0,30	0,002	<0,050	0,20

\* Calculated as the difference between 100 % and the sum of the measured elements

Hardness HB	167 / 172
Yield strength 0,2% [MPa]	459
Yield strength 1,0% [MPa]	505
Tensile strength [MPa]	709
Elongation AL=4D [%]	33,5
Elongation A5 [%]	31,5

Our QM-system is certified by Lloyd's Register Quality Assurance in accordance to DINENISO9001, certificate-no.: KLN 4000313-10  
Our EM-system is certified by Lloyd's Register Quality Assurance in accordance to DINENISO14001, certificate-no.: KLN 400 1026

Schwerte, 23.10.2018

QA Manager  
Martin Bäumlér