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| Buderus Edelstahl GmbH Buderusstraße 25, 35576 Wetzlar | <h1>Buderus Edelstahl</h1> | | |
| NJSB TAG NO. 29 | Inspection certificate EN 10204-3.1 |  | Stempel des Abnahmebeauftragten Inspectors Stamp |
| Certificate No. 298291/1 | Our Reference No. Pos. 512823 1 | | |

Heat No.
19053

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|--------------------------|-----------------------|
| Melting process | Electric steel |
| Casting method | Ingot casting |
| Material Grade | 1095 |
| Steel gr.no. | 0618 |
| Production order | 4310302 |
| Shipment no./Date | 6021770559/05.04.2018 |
| Invoice No./Date | 6035011718/19.04.2018 |

Material description : Hot rolled Strip skin passed in bars

Finish : 4,191 x 400,000 mm (0.165 x 15.75")
 thickness tolerance +0,060 /-0,060 mm (+/- .0024")
 width tolerance +4,680 /-0,000 mm (+ 0.185/-0")
 length 1.219,200 mm (48") +12,000 / -0,000 mm (+ .47/-0")

Customer Order-No. : PO-000055 Pos. 4

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 %

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

| | | | | | |
|-------|----------|-----------|-----------|----------|----------|
| 19053 | C | Si | Mn | P | S |
| | 0.960 | 0.240 | 0.447 | 0.0054 | 0.0012 |

Hardness Piece
 19053 61,3 HRC

Hardness Test
 K0302 hardness converted: 656.1 MPa

Annealed-Structure:
 C0302 spherodized carbides: 92 %

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.

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| Approval & Certification Wetzlar, 20.04.2018 | Manufacturer Works inspector Kai-Lukas Lotz | Page 1 of 1 Enclosures <input type="checkbox"/> |
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