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Certificate

Purchase Order PO26251806	Order Date 6/22/2026	Placed By Christopher Berger	McMaster-Carr Number 1317296-02	Number of Certificates 1
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Line	Product	Ordered	Status	Certificate
13	8992K132 Multipurpose 304 Stainless Steel Bar, 3/4" Thick, 1" Wide, Hot Rolled, 1/2 Feet Long	1 each	1 each delivers June 23	271-1863

MILL TEST REPORT



TA CHEN INTERNATIONAL, INC.

This MTR contains: 1 pages (Page: 1)

Cust# TWMEXT Company: TW METALS, INC.
 MTR# BHFB/BHFB0764-7.pdf PO# M49494798 SO# LNTPP3
 Item: FB4L00480100 Bundle: BL5193508.03 Heatno: 56240430

www.tachen.com

BHFB0764-7

 Böllinghaus Steel Lda. Trav. da Indústria 6 2430-668 Vieira de Leiria ISO 9001:2015 EN 9100:2018 CERT No. 01 100 030458 01 117 1800364	Abnahmeprüfzeugnis/Mill Test Certificate/Certificado de Qualidade EN 10204:2004 / 3.1	Cert.No.:1184270.1
	Unsere Innere Verweisung /Our Int. Ref. / Ref. Int. 5600068238 / 000080	Datum / Date / Data 14.06.2024
Kunde / Customer / Cliente Ta Chen International, Inc. 5855 Obispo Avenue 90805 Long Beach USA	Produktgruppe / Product Group / Grupo Produto AISI 304/L FLAT 3/4 X 1" 1.4307 / X 2 CrNi 18-9	
Bestell Nr./Order Nr./Enc.Nr.:LB6026 --	Gewicht/ Weight/ Peso 5.889 LB	Bunde/Bundles/Atados 5
Endgültiger Kunde/Final Customer/Cliente Final Ta Chen International, Inc. 85100 109th Street 53158 Pleasant Prairie USA	Beschreibung / Description / Descrição Stainless steel flat bars, in hot rolled, heat treated, straightened and pickled	
Bestell Nr./Order Nr./Enc.Nr.: LB6026.21	Normen / Standards / Normas TYPE 304/UNS S30400 TYPE 304L/UNS S30403 ASTM A182/A182M-23 ASTM A276/A276M-23 ASTM A314-23 ASTM A479/A479M-23a ASME SA-182/SA-182M 2023 ASME SA-479/SA-479M 2023 SAE AMS 5639 K SAE AMS 5647 M SAE AMS QQ-S 763 D NACE MR0175/ISO 15156:2015 ASTM A484/A484M-23a ASTM E10-23 ASTM A370-23 ASTM E112-13(R2021) ASTM A262-15(R2021) Pract. E - Conform	
Chemische analyse in % / Chemical composition in % / Análise química em % C 0,020 Si 0,285 Mn 1,710 P 0,036 S 0,0245 Cr 18,160 Ni 8,080 Mo 0,340 Co 0,175 Cu 0,489 Ca 0,001 N 0,0810 Ti 0,0050 Nb 0,017 V 0,090 Al 0,005 W 0,026 B 0,001 Sn 0,012 Ta 0,001 Nb+Ta0,018		
Schmelzen Nr./Cast nr./Fusão nr. Erschmelzungsart/Melting Process/Processo de Fundição Wärmebehandlung/Heat treatment/Tratamento térmico Visuelle Kontrolle/Visual Inspection/Inspeção Visual Mak. Untersuchung/Macrographic Test/T.Macr.	56240430 EAF+AOD Solution annealed 1050°C (1922°F) OK OK	
Proben Nr./Test no./Amostra nr.:	5193508.01 4057576.02 #1	
Härte/Hardness/Dureza [HB] Kerbschlagarbeit/Impact Test/Resiliência Charpy-V [J] Streckgrenze/Yield point/Tensão Limite Rp 0,2% [Ksi] Dehngrenze/1% Point/Limite de Extensão Rp 1,0% [Ksi] Zugfestigkeit/Tensile Strength/Tensão de Ruptura Rm [Ksi] Dehnung/Elongation/Alongamento A5 [%] Dehnung/Elongation/Alongamento 4D [%] Einschnürung/Reduction of Area/Coef. Estrição Z [%] Korngröße/Grain Size/Tamanho de Grão	175 243 39 44 88 53,3 56,4 76,4 9	
Antimixing checked. Material is free of mercury and radiation contamination. No weld repair done. We confirm that this material meets this specification according to the mentioned standards. US DPAF 252.225-7009: MELT SOURCE: United Kingdom/MFG: Portugal	Abnahmebeauftragter Authorized Inspection Representative Rep. Inspeção Autorizada  Vitor Dinis (BS-NS)	

TW METALS
 TEST REPORTS
 JAN 14 25
 ACCEPTED BY 