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 562-695-2323 (fax)
 la.sales@mcmaster.com



Certificates

Purchase Order OFFICE RELOCATION	Order Date 7/29/2026	Placed By Christopher Berger	McMaster-Carr Numbers 3136809-01 3136809-02	Number of Certificates 2
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Line	Product	Ordered	Status	Certificates
1	6620K285 Easy-to-Machine Multipurpose 304 Stainless Steel Sheet, 10" x 10", 1" Thick	6 each	1 each delivers July 30	341-4148
			5 each deliver July 30	338-8408
<i>Number provided on products and certificates.</i>				

Certificate of Mill Test Results



PENN STAINLESS PRODUCTS, INC.
190 Kelly Road, Quakertown, PA 18951
MCMaster CARR

Inv: 1950954 Date: 04/15/26
Heat: 251716 Lines: 2
Contact: FAX

PO/Rel: BA-30952210
STNLS PLATE SPLM 304/304L PRODEC 1" x 10" x 10" DFARS

outokumpu
high performance stainless steel



CERTIFICATE - ZEUGNIS - CERTIFICAT

EN 10204 - 3.1
26010593-EN-0

Date Datum Date
19-Jan-2026

Load, Ladung, Charge No
266037

Acknowledged ID, Bestätigung, Commande ID
300761348

Invoice No.
Rechnung Nr.
N° de facture

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Business Unit / QCM
BA Quarto Plate, Quarto Plate Europe

Your ref, Ihre Ref., Votre ref
P079516

Buyer, Besteller, Acheteur
Penn Stainless Products, Inc.
190 Kelly Road
18951, Quakertown, Pennsylvania
UNITED STATES OF AMERICA

Consignee, Empfänger, Lieu de livraison
Penn Stainless Products, Inc.

Mark of Manufacturer
Zeichen des Lieferwerkes
Signe de producteur



Process
Erschmelzungsart
Mode de fusion

E+AOD

Inspector's stamp
Zeichen des Sachverständigen
Poinçon de l'expert



Requirements, Anforderungen, Exigences

Penn Stainless - Stainless Steel Plate Specification
QQ-S-766D (Marking according to ASTM A480):93
SAE AMS 5513 REV.J
F840-1 Rev D
ASME SA-240M Code Sect. II, Part A:2025
ASTM A666:24
ASTM A240M / NACE MR0175/ ISO 15156-3:25a/2020
NACE MR0103 / ISO 17945:2015
SAE AMS 5511 REV.K
Co content shall be mentioned in certificates.
Additional requirement, see "Other information"

Grade, Werkstoff, Nuance
304 PRODEC
304L PRODEC

SAE 30304 PRODEC

Product, Erzeugnisform, Produit
Stainless steel hot rolled, Plate, 1D/No.1, Cut edge

LE03530 M258232 RD

Line Reihe Ligne	Item Position Poste	Heat-Lot No Schmelze-Lot Nr Coulée n° - Lot No	Size Abmessungen Dimensions	Pieces Stückzahl Nombre	Quantity/unit, Menge/Einheit, Quantité/Unité
1	4	251716-485316:0	25.4 X 2438.0 X 3658.0 mm	1	

Plate No, Blech Nr, Tôle No
1 7214 1705

Chemical composition - Chemische Zusammensetzung - Composition chimique %
Heat - Schmelze - coulée No

	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	Co	N			
Min	✓					18.00	8.00							
Max	0.030	0.75	2.00	0.040	0.030	19.50	10.50	0.75	0.75		0.10			
251716	0.021	0.45	1.37	0.035	0.020	18.17	8.18	0.33	0.38	0.2300	0.07			

Distribution

Certificate via e-Services.

Direct.
T = Transverse
L = Longitudinal

Top/Bot
F = Front
B = Back

Form
P = Flat
C = Round

Location
1 = Center
2 = Close to Surface
3 = Standard
4 = At 1/4 of thickness

Test results - Prüfergebnisse - Résultats des essais (1N/mm² = 1MPa)

Chemical composition

Product analysis ASTM A480/A480M

Plate-no	C	Si	Mn	P	S	Cr	Ni	Mo	Cu
	%	%	%	%	%	%	%	%	%
1403	0.019	0.47	1.34	0.033	0.020	18.16	8.21	0.31	0.38

Mechanical properties

Hardness Rockwell B ASTM A370/Tensile testing ASTM A370

Plate-no	Direct.	Top/Bot	Location	Form	Temp. °C	Rp 0.2 MPa	Rm MPa	A50 %	HRB
Min						207	517	40	HRB
Max						689	602	92	
1705	T	F	2	P	20	246	63	78	

Electropolishing testing Outokumpu LI-0261

Plate-no	Direct.	Top/Bot	Location	Form	Temp. °C	PD mm/m2
Max						150
1403	T	F	2	P	20	0

Corrosion

ASTM A262 Practice E

Plate-no	Result
1705F	OK

The results comply with the Requirements of the order - Die gestellten Anforderungen sind erfüllt - Les résultats sont conformes aux exigences de la commande

Outokumpu Stainless AB
BA Quarto Plate, Quarto Plate Europe
SE- 693 81 DEGERFORS
SWEDEN
Regoffice: SWEDEN

V.A.T no: SE556001874801
Regno: 556001-8748

Computer generated original
Quality Inspector

Liselotte Andersen
Liselotte Andersen

Certificate of Mill Test Results



PENN STAINLESS PRODUCTS, INC.
190 Kelly Road, Quakertown, PA 18951

MCMaster CARR
STNLS PLATE SPLM 304/304L PRODEC 1" x 10" x 10" DFARS

Inv: 1950954 Date: 04/15/26
Heat: 251716 Lines: 2
Contact: FAX



high performance stainless steel

CERTIFICATE - ZEUGNIS - CERTIFICAT

EN 10204 - 3.1
26010593-EN-0

Business Unit / QCM
BA Quarto Plate, Quarto Plate Europe

Date Datum Date
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Load, Ladung, Charge No
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Acknowledged ID, Bestätigung, Commande ID
300761348

Invoice No.
Rechnung Nr.
N° de facture

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EN ISO 3651-2 Method A/fulfil ASTM A262 Pr.E

Plate-no	Result
1705F	OK

Other Information

Country of melt: England

Manufactured in Sweden.

Solution annealed at 1100°C and Quenched in water.

Dimensional control, visual inspection and grade check (PMI): Approved

Material conforms to NACE MR0175/ISO 15156 in supplied condition.

Material conforms to NACE MR0103/ISO 17945 in supplied condition.

Material delivered in accordance with Outokumpu document -

Customer information concerning DIRECTIVES 2011/65/EU (RoHS), AND 2012/19/EU (WEEE), dated January 30, 2025.

Material delivered in accordance with Outokumpu document -

Control of Radioactive Contamination, dated January 30, 2025.

No weld repair performed.

Material supplied in unsensitized condition.

UNS 30400/30403 PRODEC

Additional testing:

Electropolishing testing Outokumpu LI-0261: PD Max=150 (mm/m2)

Tolerance	Standard	Class
Flatness tolerance	ASTM A480	ASTM A480/A480M Plate
Length	ASTM A480	ASTM A480/A480M Plate
Thickness	ASTM A480	ASTM A480/A480M Plate
Width	ASTM A480	ASTM A480/A480M Plate

The results comply with the requirements of the order - Die gestellten Anforderungen sind erfüllt - Les résultats sont conformes aux exigences de la commande

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Liselotte Andersen

Certificate of Mill Test Results



PENN STAINLESS PRODUCTS, INC.
190 Kelly Road, Quakertown, PA 18951
MCMaster CARR

Inv: 1948883 Date: 04/07/26
Heat: 251326 Lines: 1
Contact: FAX

PO/Rel: GN-30528420
STNLS PLATE SPLM 304/304L PRODEC 1" x 10" x 10" DFARS

outokumpu
high performance stainless steel



CERTIFICATE - ZEUGNIS - CERTIFICAT

EN 10204 - 3.1
25110096-EN-0

Invoice No.
Rechnung Nr.
N° de facture

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Business Unit / QCM
BA Quarto Plate, Quarto Plate Europe

Date Datum Date
05-Nov-2025

Load, Ladung, Charge No
264712

Acknowledged ID, Bestätigung, Commande ID
300757978

Your ref, Ihre Ref., Votre ref PO76477		Requirements, Anforderungen, Exigences Penn Stainless - Stainless Steel Plate Specification QQ-S-766D (Marking according to ASTM A480):93 SAE AMS 5513 REV.J F840-1 Rev D ASME SA-240M Code Sect. II. Part A:2023 ASTM A666:24 ASTM A240M / NACE MR0175/ ISO 15156-3:25a/2020 NACE MR0103 / ISO 17945:2015 SAE AMS 5511 REV.K Co content shall be mentioned in certificates. Additional requirement, see "Other information"	
Buyer, Besteller, Acheteur Penn Stainless Products, Inc. 190 Kelly Road 18951, Quakertown, Pennsylvania UNITED STATES OF AMERICA			
Consignee, Empfänger, Lieu de livraison Penn Stainless Products, Inc.			
Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur 	Process Erschmelzungsart Mode de fusion E+AOD	Inspector's stamp Zeichen des Sachverständigen Poinçon de l'expert 	Grade, Werkstoff, Nuance 304 PRODEC 304L PRODEC SAE 30304 PRODEC

Product, Erzeugnisform, Produit
Stainless steel hot rolled, Plate, 1D/No.1, Cut edge
LD92305 M253890 *PSD*

Line Reihe Ligne	Item Position Poste	Heat-Lot No Schmelz-Lot Nr Coulée n° - Lot No	Size Abmessungen Dimensions	Pieces Stückzahl Nombre	Quantity/Unit, Menge/Einheit, Quantité/Unité
1	1	251326-483662:0	25.4 X 2438.0 X 6096.0 mm	1	

1	Plate No, Blech Nr, Tôle No 7126 1105 ✓
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Chemical composition - Chemische Zusammensetzung - Composition chimique % Heat - Schmelze - coulée No												
	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	Co	N	
Min						18.00	8.00					
Max	0.030	0.75	2.00	0.040	0.030	19.50	10.50	0.75	0.75		0.10	
251326	0.012	0.40	1.39	0.037	0.023	18.10	8.10	0.37	0.44	0.2100	0.07	

Distribution	Direct. T = Transverse L = Longitudinal	Top/Bot F = Front B = Back	Form P = Flat C = Round	Location 1 = Center 2 = Close to Surface 3 = Standard 4 = At 1/4 of thickness
Certificate via e-Services.				

Test results - Prüfergebnisse - Résultats des essais (1N/mm² = 1MPa)

Chemical composition									
Product analysis ASTM A480/A480M									
Plate-no	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Cu %
2705	0.014	0.39	1.35	0.033	0.024	18.11	8.05	0.35	0.08
Mechanical properties									
Hardness Rockwell B ASTM A370/Tensile testing ASTM A370									
Plate-no	Direct.	Top/Bot	Location	Form	Temp. °C	Rp 0.2 MPa	Rm MPa	A50 %	HRB HRB
Min						207	517	40	
Max						239	590	62	92
1202	T	F	2	P	20				78
Electropolishing testing Outokumpu LI-0261									
Plate-no	Direct.	Top/Bot	Location	Form	Temp. °C	PD mm/m2			
Max						150			
2705	T	F	2	P	20	0			
Corrosion									
ASTM A262 Practice E									
Plate-no	Result								
1202F	OK								

The results comply with the Requirements of the order - Die gestellten Anforderungen sind erfüllt - Les résultats sont conformes aux exigences de la commande

Outokumpu Stainless AB
BA Quarto Plate, Quarto Plate Europe
SE- 693 81 DEGERFORS
SWEDEN
Regoffice: SWEDEN
V.A.T no: SE56001874801
Regno: 556001-8748

Computer generated original
Quality Inspector

Lisette Andersen
Lisette Andersen

Certificate of Mill Test Results



PENN STAINLESS PRODUCTS, INC.
190 Kelly Road, Quakertown, PA 18951

MCMaster CARR
STNLS PLATE SPLM 304/304L PRODEC 1" x 10" x 10" DFARS

Inv: 1948883 Date: 04/07/26
Heat: 251326
Contact: FAX

Lines: 1



high performance stainless steel

CERTIFICATE - ZEUGNIS - CERTIFICAT

EN 10204 - 3.1

25110096-EN-0

Business Unit / QCM

BA Quarto Plate, Quarto Plate Europe

Date Datum Date

05-Nov-2025

Load, Ladung, Charge No

264712

Acknowledged ID, Bestätigung, Commande ID

300757978

Invoice No.
Rechnung Nr.
N° de facture

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EN ISO 3651-2 Method A/fulfil ASTM A262 Pr.E

Plate-no Result
1202F OK

Other Information

Country of melt: England

Manufactured in Sweden.

Solution annealed at 1100°C and Quenched in water.

Dimensional control, visual inspection and grade check (PMI): Approved

Material conforms to NACE MR0175/ISO 15156 in supplied condition.

Material conforms to NACE MR0103/ISO 17945 in supplied condition.

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UNS 30400/30403 PRODEC

Additional testing:

Electropolishing testing Outokumpu LI-0261: PD Max=150 (mm/m2)

Tolerance
Flatness tolerance
Length
Thickness
Width

Standard
ASTM A480
ASTM A480
ASTM A480
ASTM A480

Class
ASTM A480/A480M Plate
ASTM A480/A480M Plate
ASTM A480/A480M Plate
ASTM A480/A480M Plate

The results comply with the requirements of the order - Die gestellten Anforderungen sind erfüllt - Les résultats sont conformes aux exigences de la commande

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