McMASTER-CARR®

Certificate

330-995-5500
330-995-9600 (fax)
cle.sales@mcmaster.com

Purchase Order	Order Date	Placed By	McMaster-Carr Number	Number of Certificates
P1463913	10/10/2022	Jane Beattey	8269929-02	1

Line		Product	Ordered	Status	Certificate
3	8279T29	Ground High-Strength 1045 Carbon Steel Rod, 3/4" Diameter, 3 Feet Long	1 each	1 each delivers October 11	185–9202

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Northlake Steel Corporation
5455 Wegman Dr Valley City, OH 44280
Phone 330.220.7717 Fax 330.220.7718

CERTIFICATION

CUSTOMER PO	SALES ORDER	F.O.B.	SHIPPING METHOD	PACKLIST
04052022	C-78495	EXW - Valley City	Common Carrier	PL-48559

SOLD TO:	SHIP TO:

Ln	Item	Customer Part ID	U/M	Ordered	Shipped
1	.7495"/.7485" RD 1045 TGP **Ship Weight:** 4,425		LB	4,425.00	4,425.00

120 BARS @ 295" LONG

CARDBOARD TUBED FOR PROTECTION.
GRADE: 1045. ASTM A108-18.
RING GAGE QUALITY -.0005 TOL.
SURFACE FINISH: 20 Ra MAX.
STRAIGHTNESS: .001"/FT MAX.

Line	Lot No.	Part ID	Quantity	Heat No.	Length	Weight
1	220621	TGP-1045-.7495	110	8000014727	295.00	4,056
1	220622	TGP-1045-.7495	10	8000014727	295.00	369

CHEMICAL PROPERTIES

Heat	C	Mn	P	S	Si	Ni	Cr	Mo	Ca	Cu	Al	Cb	V	Pb	Sn
8000014727	.450	.810	.007	.021	.216	.070	.120	.010		.190	.004	.002	.023	.003	

MECHANICAL PROPERTIES

Heat	Tensile	Yield	Elong 2"	Red Area	Hardness	Scale	Red. Ratio	Grain	
8000014727					222	HBW	102.1	FINE	USA

Country of Origin: USA **Heat:** 8000014727

We certify the chemical results and/or physical test were determined by standard methods and are correct as contained in the records of the corporation.

Bradley R. Shaffer