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
P1484185	6/22/2023	Jane Beattey	4849778-01	1

Line		Product	Ordered	Status	Certificate
1	5615N16	High-Strength 1045 Carbon Steel Rod, 20 mm Diameter, 6 Feet Long	2 each	2 each deliver June 23	208–8098

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

PARKER STEEL METRIC METALS

1819 STARR AVE
TOLEDO, OH 43605
Phone: 419.473.2481 Fax: 419.471.2655
Website: www.metricmetal.com

Certificate of Analysis and Testing

Customer: MCMASTER CARR
P.O. BOX 5516
CHICAGO, IL, 60680
Attn:

PO Number: UH-45940380

Order Number: 491149

Weight	Description	Receiving ID
189	(ROUND 20MM 1045 TGP -.0005" NMFC#104340) 1045	40339

TAGS: 620861

C	Si	Mn	P	S	Cr	Mo	V	Ti	Cu	Al	Nb/Cb
0.4800	0.2300	0.8800	0.0050	0.0260	0.0500	0.0100	0.0040	0.0020	0.0900	0.0240	0.0020

B	W	Ni	Pb	Sn	Fe	N	Co	Zn	Bi	Ag	O
0.0001	0.0000	0.0400	0.0000	0.0040	0.0000	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000

As	Cd	Sb	Zr	Be	Mg	Ca	Se	Au	Y	H
0.0030	0.0000	0.0010	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000

Mechanical Properties

Tensile PSI	Yield PSI	Elongation % 2 Inches	Reduction of Area	Hardness B Scale	Hardness Brinell	Grain Size
0.00	0.00	0.0000	0.00	0.00	0.00	0.00

Other Physical Properties

HEAT # 10808510C
COUNTRY OF MELT AND MANUFACTURE: USA

Testing Procedures

ASTM A29/A29M-20; ASTM A108-18
MERCURY FREE; RoHS AND DFARS COMPLIANT

We hereby certify that the forgoing data is a true copy of the data furnished to us by our supplier or resulting from tests performed in a recognized laboratory.

By: _____ Date: 3/14/23

TRC ISO 9001 CERTIFIED TRC00881

C-TPAT Customs-Trade Partnership Against Terrorism