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
P1484667	6/27/2023	Jane Beattey	5102182-01	1

Line		Product	Ordered	Status	Certificate
1	6103N8	Tight-Tolerance Low-Carbon Steel Rod, 1/4" Diameter, 3 Feet Long	2 each	2 each deliver June 28	194–7283

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

Banner Service Corp
www.bargrind.com
494 E Lies Road
Carol Stream, IL 60188

Certificate of Compliance

Customer Number	C000551	Customer Name	McMaster Carr
Customer PO	UH-79022400	Customer Address	200 Aurora Ind Pkwy Aurora, OH 44202
Customer Part Number	.250" 1018		
Producing Plant	Carol Stream	Ship Date	09/15/2022
Item Number	C1018 .250MC	Production Order Number	
Item Description	.250/.2495" 1018 X 12'	Sales order	SO-C0050759
		Heat Number	M35268
		Quantity in Bar	24.00
		Quantity in Pounds	13.00

Heat Attributes

Heat Attribute Description	Result	Heat Attribute Description	Result
Physical		**Mechanical**	
OD for Round, Thickness for Flat	0.2500	Cast Method	STRAND
Grade	C1018	Cold Finished	Y
Length	144.0000	Reduction Ratio	447.0: 1
Shape	R	Rolling/Processing Source 1	KRUEGER WIRE-US
Chemical		Grain Size	4.0000
Tin	0.0030	Melt Source/Location	IVACO-CANADA
Chromium	0.0900	**Regulatory**	
Copper	0.1300	S:ASTM A108	Yes
Molybdenum	0.0200	Country of Origin	CANADA
Nitrogen	0.0060		
Nickel	0.0500		
Carbon	0.1700		
Manganese	0.7200		
Phosphorous	0.0080		
Sulfur	0.0110		
Silicon	0.2300		

Additional information

MERCURY FREE

Unless noted, this material meets RoHS compliance, REACH compliance, and Conflict Minerals Restrictions.

BANNER SERVICE CORP CERTIFIES THAT THE ABOVE INFORMATION IS TAKEN FROM A CHEMICAL AND/OR MECHANICAL TEST REPORT FURNISHED TO US BY OUR SUPPLIER AND THAT SUCH TEST REPORT IS ON FILE IN OUR OFFICE.

David Hallin, Quality Manager

Printed Date 09/15/2022