



562-692-5911
562-695-2323 (fax)
la.sales@mcmaster.com



Certificate

Purchase Order PO26151712	Order Date 4/16/2026	Placed By Christopher Berger	McMaster-Carr Number 5964570-01	Number of Certificates 1
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Line	Product	Ordered	Status	Certificate
13	8953K98 Ultra-Machinable 360 Brass Rod, 1" Diameter, 6 Feet Long	2 each	2 each deliver April 17	325-2457

wieland

Wieland Chase, LLC, Montpelier, USA

Copper & Brass Sales
 22355 W Eleven Mile Rd
 SOUTHFIELD MI 48033
 USA

Reprint
 Loading area/ No. : 630001/
Heat No. : 63001627 63001727

Your order No.	: 5400801959
Date	: 12/17/2025
Your fax No.	:

Order confirmation No. : 2310001676 001
 Inspection lot No. : 40008597526
 Our delivery note No. : 2380002614 010
 Quantity delivered : 15,143.000 LBS
 Date : 01/14/2026

Inspection certificate 3.1 as per EN 10204 : 2004

Product:	section number:	Dimensions:
Round rods drawn		Dim A: 1.0000 in
Material:	Temper:	Dim B:
Wieland ZU1 C36000	1/2-hard	Dim C:
		Dim D: 144.000 in
Specification:	Revision/Date of issue:	
Analysis: ASTM B16/B16M -24		H02-THREAD ROLL
Mech.parameters: ASTM B16/B16M -24		A
Dimensions: ASTM B 249/ B 249M -23		

Remarks:
 Your material code No. : CURD01097
 Melted and manufactured in the USA.
 Wieland Chase produced rod: NAFTA - Yes

Chemical composition as per 3.1 EN 10204 : 2004

Test method	Unit	Measured		Specified / Reference (R)		Spec
		Min.	Max.	Min.	Max.	
The sum of the other elements corresponds to what is specified in the chemical standard.						
Cu Copper	%	61.1	61.8	60.0	63.0	
Cd Cadmium	%	0.0003	0.0005		0.0075	
Fe Iron	%	0.13	0.16		0.35	
Pb Lead	%	2.6	2.7	2.5	3.0	
Zn Zinc	%				balance	

From: ThyssenKrupp Materials NA

Cust. MCMaster-CARR SUPPLY CO

Del.: 2411034580

CstAr 437

CstOr GH-28392290

Wgt.: 347.586 LB

Date 02/19/2026

wieland

Inspection certificate 3.1 as per EN 10204 : 2004

Copper & Brass Sales
22355 W Eleven Mile Rd
SOUTHFIELD MI 48033

Delivery note no. Item
2380002614 010

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Method of control of dimensions

Parameter tested	Unit	Measured		Specified / Reference (R)		Spec (No.)
		Min.	Max.	Min.	Max.	
Length	in		144.00	144.00	145.00	(1)
Diameter	in		1.001	0.998	1.002	(1)

Mechanical testing

Parameter tested	Unit	Measured		Specified / Reference (R)		Spec (No.)
		Min.	Max.	Min.	Max.	
Rt 0.5 % yield strength	KSI		41	25		(1)
Tensile strength Rm	KSI		59	52		(1)
Elongation A4	%		24	10		(1)
Rockwell hardness HRB mid-radius			72	55	75	(1)

Further inspections

Parameter tested	Unit	Measured		Specified / Reference (R)		Spec (No.)
		Min.	Max.	Min.	Max.	

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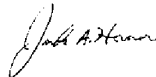
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Further inspections (continued)

Parameter tested	Unit	Measured		Specified / Reference (R)		Spec (No.)
		Min.	Max.	Min.	Max.	

Declaration of conformity

As manufacturer we declare that the products described herein comply with the specifications agreed with the purchaser, with the above-mentioned standards, descriptions, quantity and the data indicated in this certificate.
These products have been manufactured and tested under a quality system certified to ISO 9001:2015. Our quality system is audited regularly (SGS Certificate No. US23/00000084 (SGS North America) and US25/00000198 (SGS ICS Portugal – IPAC).
The recording of false, fictitious, or fraudulent statement or entries on this document may be a punishable offense under federal and state law.
Material is mercury-free, and meets EC Directives RoHS / RoHS2 / RoHS3
WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.



Jack Horner (Inspection Representative)
Telephone: +1-419-485-8967
e-mail: Jack.Horner@wieland.com
Computer-generated inspection certificate

From: ThyssenKrupp Materials NA

Cust. MCMaster-CARR SUPPLY CO

Del.: 2411034580

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Wgt.: 347.586 LB

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