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
P1521416	9/19/2024	Jonathan Wood	2701676-01	1

Line		Product	Ordered	Status	Certificate
1	8931K431	Oil-Filled 841 Bearing Bronze Tube, 1/2" Wall Thickness, 3-1/2" OD, 6-1/2" Long	2 each	2 each deliver September 20	234–9272

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

BUNTING BEARINGS LLC
Certified to ISO 9001
Industry has turned to Bunting Bearings since 1907

1001 Holland Park Blvd, Holland, Ohio 43528

Phone: 419-866-7000
Fax: 419-866-0653

CERTIFICATION OF MATERIAL COMPLIANCE

BUNTING BEARINGS LLC, states that the material listed below was produced to the following material specifications required by your purchase order.

Requested By:

MCMASTER-CARR SUPPLY CO

600 N COUNTY LINE RD
ELMHURST, IL 6012620

ORDER

PURCHASE ORDER NUMBER:	TA-57234770
PART NUMBER:	ET2028
DESCRIPTION (SIZE):	2-1/2 X 3-1/2 X 6-1/2
ALLOY (MATERIAL):	SAE841
QUANTITY:	8
SHIPPED ON:	02/21/24 LOT NUMBER: M687034

MATERIAL SPECIFICATIONS:

ASTM B438 CT-1000-K26
ASTM B-438 Grade 1 Type II (Former)

COMPARABLE SPECIFICATIONS:

AMS 4805E (Bearings)
SAE 841
MPIF Standard 35

CHEMICAL ANALYSIS: (Percent Maximum Unless a Range is Indicated)

Cu	Fe	Pb	C	Sn	Acid	Mg	Other (total)
BAL	1.00	----	0.3	9.50-10.50	----	----	0.5

PHYSICAL PROPERTIES:

Density (gm per cu. Cm.)	6.4-6.8
Porosity (% Oil by vol.)	19 min.
"K" Strength Constant	26,000

Unless otherwise specified, parts are lubricated with SAE 30 Oil.
MERCURY FREE: Mercury bearing instruments and / or equipment which might cause contamination were not used in the manufacture of this material.

Andrea Richie

2/20/24

ISO 9001 CERTIFIED
See www.buntingbearings.com for certificate.

Andrea Richie

HR Admin Assistant