



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



Certificate

Purchase Order PO26231775	Order Date 6/9/2026	Placed By Christopher Berger	McMaster-Carr Number 8677354-02	Number of Certificates 1
-------------------------------------	-------------------------------	---	---	------------------------------------

Line	Product	Ordered	Status	Certificate
21	91273A346 Same-Size Thread 18-8 Stainless Steel Shoulder Screw, 3 mm Shoulder Diameter, 40 mm Shoulder Length, M3 x 0.50 mm Thread	2 each	2 each deliver June 11	356-4756

Sales Order Number: 473055-15
 Lot #: 280589-PPO MFG Lot #: EC2J
 Finished Product Code: STR601M3X40-OST
 Finished Description: 3 (M3 x 0.5) X 40 Oversized Thread Shdr Scrw Knurled
 Hex Socket 18-8 SS Plain USA

Raw Material Lot Number: 48751-GM-001
 Raw Material Product Code: RM200-1G-.3125
 Raw Material Description: 5/16" ROUND TYPE 303 STAINLESS STEEL BAR,
 GROUND AND POLISHED TO +/- .0005", DFARS & ROHS, ASTM A582



**NORTH AMERICAN
 STAINLESS**
 An Acerinox Group Company

METALLURGICAL TEST REPORT

6870 Highway 42 East
 Ghent, KY 41045-9615
 (502) 347-6000

Certificate: 78549 03	Mail To: COPPER AND BRASS SALES, INC. ATTN: ACCOUNTS PAYABLE SOUTHFIELD MI 48086-	Ship To: COPPER AND BRASS SALES, INC. 501 MURPHY WAY NORTHWOOD OH 43619	Date: 11/30/2025 Page: 1 Of 1 Steel: 303 Finish: Finish Cold Draw Dia/Thk: .3125 in Leg Length: 144.00 in Corrosion:
Customer: 0925 045		Heat Treat Code: 87,346	
NAS Order: LR 73770 1		Item Code: xssrd0003589	
Your Order: 5400779032			

PRODUCT DESCRIPTION:	REMARKS:
Round Bar, Annealed, Cold Draw, Centless Gr., Chamfered-2 ends ASTM A582/21 EN 10204 3.1B, ASTM A484/A484M-24a AMS 5640V TYPE 1, QQS-764B CONDITION A	COMPLIES W/REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE 2011/65/EU, RoHS, EAP+AOD+CC, NO WELD REPAIR, MELTED AND MFG IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BP16873 1517	BP16876 1554	BP16879 1341							

ANAB, ISO/IEC 17025, Certificate# L2323

CHEMICAL ANALYSIS CM(Country of Melt and Pour) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/20

NAS Heat	Supplier Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
EC2J		US	.017	.27	17.17	.26	1.89	.312	.043	8.71	.031	.3320
			SI %									
			.26									

MECHANICAL PROPERTIES

Indic	HB	No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
BP16873	R L	194.0	87.85	112.41	33.12	25.90
BP16876	R L	194.0	87.85	112.41	33.12	25.90
BP16879	R L	194.0	87.85	112.41	33.12	25.90

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical Dept. Mgr.

D. H. Harzett
 DANIEL HARZETT

Cust. ACCURATE MANUFACTURED PRODUCTS GRP Del.: 2411020736

CstAr RM200-1G-.3125

CstOr 48751

Wgt.: 1,341 LB

Date 02/10/2026