McMASTER-CARR®

Certificate

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

Purchase Order	Order Date	Placed By	McMaster-Carr Number	Number of Certificates
PO26442268	11/6/2026	Christopher Berger	8407508-01	1

Line		Product	Ordered	Status	Certificate
3	91273A324	Same-Size Thread 18-8 Stainless Steel Shoulder Screw, 3 mm Shoulder Diameter, 8 mm Shoulder Length, M3 x 0.50 mm Thread Size	3 each	3 each deliver November 9	418–3433

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

Sales Order Number: 487384-05
Lot #: 288110-PPO MFG Lot #: FB3A
Finished Product Code: STR601M3X8-OST
Finished Description: 3mm (M3x0.5X4) X 8mm ASME Tol Knurl Hd Hex Drive Shdr Scrw SameSize Thd 18-8 SS USA

Raw Material Lot Number: 50877-03-001
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: 117829 01

Mail To:
COPPER AND BRASS SALES, INC.
ATTN: ACCOUNTS PAYABLE
SOUTHFIELD MI 48086-

Ship To:
COPPER AND BRASS SALES, INC.
8001 MURPHY WAY
NORTHWOOD OH 43619

Date: 6/11/2026 Page: 1 Of 1
Steel: 303
Finish: Finish Cold Draw
Dia/Thk: .3125 in
Leg Length:
Length: 144.00 in
Corrosion:

Customer: 0925 045
NAS Order: LR 85574 1
Your Order: 5400810421
Heat Treat Code: 89,962
Item Code: xssrd0003589

PRODUCT DESCRIPTION:

Round Bar,Annealed,Cold Draw,Centrless Gr.,Chamfered-2 ends
ASTM A582/22 EN 10204 3.1B, ASTM A484/A484M-24a
AMS 5640V TYPE 1, QQS-764B CONDITION A

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE 2011/65/EU.RoHS. EAF+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
BP55983	1139	BP56057	1635	BP56058	1696												

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 %
FB3A		US	.038	.39	17.12	.26	1.94	.375	.044	8.58	.030	.3215

SI %
.52

MECHANICAL PROPERTIES

	Loc	Dir	HB No.	.2YS KSI	UTS KSI	RA %	Elng % 2"
BP55983	R	L	221.0	92.18	114.39	32.28	24.28
BP56057	R	L	221.0	92.18	114.39	32.28	24.28
BP56058	R	L	221.0	92.18	114.39	32.28	24.28

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

Quality Manager

DANIEL HARGETT

Cust. ACCURATE MANUFACTURED PRODUCTS GRP Del.: 2411243122

CstAr RM200-1G-.3125 CstOr 50877

Wgt.: 3,203.176 LB Date 06/22/2026

The above described product was manufactured, sampled, tested and inspected in accordance with the required specification, including any supplementary requirements or other requirements designated in the purchase order or contract and were found to meet those requirements.