

RIVERFRONT STEEL

STB0494
3/8" ROD
CLAMP BAR MAT'L

TB
4-2-14

CERTIFICATE OF CONFORMANCE

CUSTOMER: HEAT & SENSOR TECH.

PURCHASE ORDER NO.: 5039

RIVERFRONT STEEL S/O NO.: S4033100010

WE HEREBY CERTIFY THAT THE MATERIAL FURNISHED ON THE ABOVE MENTIONED SALES ORDER NUMBER MEETS OR EXCEEDS THE SPECIFICATIONS CALLED FOR BY THE ABOVE LISTED PURCHASE ORDER.

SINCERELY,

David E. Decker

INSIDE SALES
RIVERFRONT STEEL, INC.

STRENGTH IN SERVICE

Riverfront Steel, Inc. • 10310 S. Medallion Drive, Cincinnati, Ohio 45241
Ph: 513.769.9999 • Fax: 513.769.9600 • 1.800.555.4444 • www.riverfrontsteel.com

METALLURGICAL TEST REPORT

RIVERFRONT STEEL
STBC494
CLAMP BAR MAT'L
6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 914223 01 Mail To:

Ship To:

Date: 1/30/2014 Page: 1 Of 1

Customer: 0245 001

Steel: 415
Finish: Cold Draw
Dia/Thk: .3750 in
Leg Length:
Length: 144.00 in
Corrosion:

NAS Order: LP 8343 1

Your Order: P543799-423

Item Code: 509909

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS S41600 EN 10204 3.1
ASTM A582/12, ASTM A484/10
AMS 5610N Type 2, QQS-764B, ASTM A314/08

REMARKS:

COMPLIES W/REQUIREMENTS OF DfAR 252.225-7008 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

TB
4-2-14

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BG00084	2853	BG00085	2962						

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
K4H3		US	.130	.02	12.81	.31	.71	.03	.032	.40	.030	.3575
			SI %									
			.31									

MECHANICAL PROPERTIES

Id	HB	.2YS	UTS	RA	Elong	Hrdy
o i	No.	KSI	KSI	%	% 2"	No.
c r						
BG00084	R L	209.0	92.24	98.82	55.61	9.80
BG00085	R L	209.0	92.24	98.82	55.61	9.80

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.

ERIC HESS

Customer: RIVERFRONT STEEL
Ord #: S424554 Part #: 509909 Cust PO#: P40331DD001



METALLURGICAL TEST REPORT

RIVERFRONT STEEL
 STB0494
 CLAMP BAR MAT'L
 6870 Highway 42 East
 Ghent, KY 41045-9615
 (502) 347-6000

Certificate: 885153 02 Mail To:

Ship To:

Date: 10/29/2013 Page: 1 of 1

Steel: 416

Finish: Cold Draw

Dia/Thk: .3750 in

Leg Length:

Length: 144.00 in

Corrosion:

Customer: 0245 001

NAS Order: LP 6815 2

Your Order: P537546-423

Item Code: 509909

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
 UNS S41600 EN 10204 3.1
 ASTM A582/12, ASTM A484/10
 AMS 5610N Type 2, QQS-764B, ASTM A314/08

REMARKS:

COMPLIES W/REQUIREMENTS OF D FAR 252.225-7014A-1 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

TB
 4-2-14

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BF84362	3326	BF84366	3259						

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
J7R9		US	.116	.02	12.80	.24	.62	.03	.036	.22	.026	.3350
			SI %									
			.22									

MECHANICAL PROPERTIES

Id	HB	.2YS	UTS	RA	Elong	Hrdy
o i	No.	KSI	KSI	%	% 2"	No.
c r						
BF84362	R L	205.0	93.16	98.56	51.97	9.03
BF84366	R L	205.0	93.16	98.56	51.97	9.03

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.

ERIC HESS

Customer: RIVERFRONT STEEL
 Ord #: T895507 Part #: 509909 Cust PO#: P40331DD001