



DOX2

METALLURGICAL TEST REPORT

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

Certificate: 752115 01	Mail To: COPPER AND BRASS SALES, INC. ATTN: ACCOUNTS PAYABLE SOUTHFIELD MI 48086-	Ship To: COPPER AND BRASS SALES, INC. CUSTOMER PICKUP PORTLAND OR 97230	Date: 7/10/2012 Page: 1 Of 1 Steel: 304/304L Finish: Hot Finish Dia/Thk: 5.0000 in Leg Length: Length: 144.00 in Corrosion: ASTM A262-10 Prac A/B OK
Customer: 0925 050			
NAS Order: LN 84444 1			
Your Order: 5400142588	Item Code:		

PRODUCT DESCRIPTION:

Round Bar, Hot Rolled, Annealed, Rough Turned
UNS 30400/30403 EN 10204 3.1, ASTM A484/10
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F
NACE MR0175 (MID RADIUS ONLY), SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7014A-1 EU DIRECTIVE
2002.95.EC.RoHS. HAF+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
BE73207	1737								

CHEMICAL ANALYSIS

Heat	Supplier #	CM	Chemical Analysis per ASTM A751/08									
			C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
DOX2		US	.023	.14	18.11	.45	1.33	.32	.079	8.53	.031	.0260
			SI %									
			.35									

MECHANICAL PROPERTIES

Heat	HB No.	UTS		RA %	Elong % 4D	
		.2YS KSI	UTS KSI			
BE73207	R L	158.0	40.00	80.00	62.00	54.00

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