

**METALLURGICAL TEST REPORT**

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

Certificate: 939541 03      Mail To:      Ship To:      Date: 8/19/2024      Page: 1 Of 1  
 Steel: 304/304L  
 Finish: HRAP  
 Dia/Thk: .2500 in  
 Leg Length: 2.0000 in  
 Length: 252.00 in  
 Corrosion: ASTM A262/15 Prac A/E OK

Customer: 0305 001  
 NAS Order: LR 44947 1      Heat Treat Code: 81,276  
 Your Order: 115879      Item Code:

**PRODUCT DESCRIPTION:**

Angle  
 UNS S30400/S30403, EN10204 3.1  
 ASTM A276/24a, ASTM A479/23a  
 ASME SA479/21, AMS 5639/J, AMS 5647/L  
 AMS-QQS-763/D, QQS:763/F, ASME SA 276/17  
 SOLUTION ANNEAL TEMP 1900F MIN

**REMARKS:**

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7014 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	Bundle Weight
VD81511 1300	VD81512 1290	VD81513 1235	VD81514 1230	VD81515 1310	VD81516 1265				

ANAB, ISO/IEC 17025, Certificate# L2323

**CHEMICAL ANALYSIS**

CM(Country of Melt) 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 %
BR7J		US	.028	.31	18.11	.46	1.69	.337	.064	8.16	.032	.0010
			SI %									
			.25									

**MECHANICAL PROPERTIES**

	l o c k	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
VD81511	R L	240.0	91.10	114.23	66.95	35.46
VD81512	R L	240.0	91.10	114.23	66.95	35.46
VD81513	R L	240.0	91.10	114.23	66.95	35.46
VD81514	R L	240.0	91.10	114.23	66.95	35.46
VD81515	R L	240.0	91.10	114.23	66.95	35.46
VD81516	R L	240.0	91.10	114.23	66.95	35.46

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.

  
DANIEL HARGETT