

# METALLURGICAL TEST REPORT



Certificate: 820078 04  
 NCROSS GA 30071  
 Customer: 0305 001  
 NAS Order: LR 5659 1  
 Your Order: 100316  
 Heat Treat Code: 73,419  
 Item Code: 22772

Steel: 316/316L  
 Finish: HRAP  
 Dia/Thk: .2500 in  
 Leg Length: 3.0000 in  
 Length: 252.00 in  
 Corrosion: ASTM A262 Prac A/E OK

**REMARKS:**

COMPLIES W/REQUIREMENTS OF DPAR 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

**PRODUCT DESCRIPTION:**

Angle  
 UNS S31600/S31603, EN10204 3.1  
 ASTM A276/17, ASTM A479/21  
 ASME SA479/21,  
 AMS-QQS-763/D, QQS:763/F, AMS 5648/M, AMS 5653/J  
 SOLUTION ANNEAL TEMP 1900F MIN

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
VD58688	1640								

**CHEMICAL ANALYSIS** CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) ANAB, ISO/IEC 17025, Certificate# L2323  
 Chemical Analysis per ASTM A751/20

NAS Heat	Supplier Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
W26R	US		.020	.24	16.60	.47	1.62	2.117	.030	10.06	.036	.0047
			SI %									
			.36									

**MECHANICAL PROPERTIES**

Id	HB	.2YS	UTS	RA	Elong	
Co	No.	KSI	KSI	%	% 2"	
VD58688	RL	237.0	94.70	112.58	51.78	32.42

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. KRIS LARK