



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

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

SN: 6281 - 2 TBRL 40

Certificate: 748677 02 Mail No: Ship To: Date: 1/05/2022 Page: 1 OF 1

Customer: 0695 001 Red Ratio: 14.4 : 1 Heat Treat Code: 68,659
NAS Order: IM 74730 4 Item Code: 525425
Your Order: Steel: 316/316L
Finish: Cold finish
Dia/Thk: 2.2500 in
Leg Length: 144.00 in
Corrosion: ASTM A262/15 Prag A/R OK

PRODUCT DESCRIPTION: REMARKS: COMPLIES W/REQUIREMENTS OF DFR 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

HEATED TO 1900F MIN & QUENCHED, GRAIN SIZE= 6-8
Round Bar, Annealed, Smooth Turned, Cold Finished
UNS S31600/S31603, EN 10204 3.1, ASTM A484/20b
ASTM A276/17, ASTM A479/20, ASTM A182/21 CHEM ONLY,
ASME SA479/19, ASME SA182/19 CHEM ONLY, GRAIN SIZE = 6-8
AMS 5648/M, AMS 5653/J, AMS-Q08-763/D, Q08:763/R
NACE MR0175/15 (MID RADIUS ONLY), MR0103/15 (MID RADIUS ONLY)
ASME SA193/19 CL 1 GR B8M(EXC PAR 7.3.1)
ASTM A193/20 CL 1 GR B8M(EXC PAR 6.2.1)

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BM39444	3080							

CHEMICAL ANALYSIS CN(Country of Meit) ES(Spain) US(Unted States) ZA(South Africa) JP(Japan) ANAB, ISO/IEC 17025, Certificate# I2323
Chemical Analysis per ASTM A751/20

NAS Heat	Supplier Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
P85A		US	.017	.36	16.75	.28	1.36	2.046	.040	10.58	.027	.0250
SI %												
.23												

MECHANICAL PROPERTIES

14 01 01	HB No.	.2YS KSI	TTS KSI	RA %	Elng % AD	
BM39444	R I	143.0	42.00	86.00	55.00	43.00

Provided by CPA
www.flowconditioner.com, info@cpacl.ca
313578

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 LARR