



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

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

257721

Certificate: 691788 9
Customer: 007060 004

Mail To:
C.F.F. STAINLESS STEEL, INC.
1840 BURLINGTON STREET E.
HAMILTON, ON L8H3L4

Ship To:
C.F.F. STAINLESS STEEL, INC.
717 WOODWARD AVENUE
HAMILTON, ON L8H 6P3

Date: 5/14/2021 Page: 1
Steel: 316/316L
Finish: 1

Corrosion: ASTM A262/15A 180Bend-OK

Your Order: C132337

NAS Order: DS 0021812 01

PRODUCT DESCRIPTION:

STAINLESS STEEL PLATE, HRAP; UNS 31600/31603
ASTM A240/20, A480/20a, A666/15; ASME SA240/19, SA480/19, SA666/19
CHEM ONLY ON FOLLOWING ASTM: A276/17, A479/17, A484/16, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5507H/5524M X MRK;
NACE MR0175/ISO 15156-3:2009 A, MR0103/07; QQS766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS 1, 2 & 3 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

Product Id	Plate#	Skid #	Thickness	Width	Weight	-----Length-----	Mark	Pieces	Commodity Code
02M18X EA	02M18X EA	PR4584	.4999	49.0000	1,730	PLATE 240.00	10	1	

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

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
M18X	US	.0123	16.7330	.4980	1.2180	2.0420	.0681	10.1000	.0290	.0010
		SI %								
		.2930								

MECHANICAL PROPERTIES

Product Id#	l o c	d i c	UTS	20C	.2% YS	20C	ELONG	%	Hard	R of A
			KSI		KSI		%-2"		RB	%
02M18X EA	F	T	88.90		42.02		55.50		78.00	71.04

ANS

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.

[Signature]

KRIS LARK

5/14/2021