



**NORTH AMERICAN
STAINLESS**

METALLURGICAL TEST REPORT

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

Certificate: 643868 01
Customer: 0082 001
Mail To:
RELIANCE METALCENTER
33201 WESTERN AVENUE
UNION CITY, CA 94587

Ship To:
RELIANCE METALCENTER
33201 WESTERN AVENUE
UNION CITY, CA 94587

Date: 11/11/2020 Page: 1

Steel: 304/304L

Finish: 2B

Corrosion: ASTM A262/15A;180Bend-OK

Our Order: 02-54489

NAS Order: AN 0914482 02

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30400/30403
ASTM A240/19,A480/19,A666/15;ASME SA240/17,SA480/17,SA666/17
HEM ONLY ON FOLLOWING ASTM: A276/17,A479/17,A484/16,A312/16
HEM ONLY ON FOLLOWING ASME: SA312/13,SA479/13
MS 5511H/5513J XMRK; MIL-5059D AMD3(X CRN MEAS); MIL-4043B
ACE MRO175/ISO 15156-3:2009 A, MRO103/07;QQS766D-A X MAG PERM
IN. 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 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 #	Coil #	Thickness	Width	Weight	-----Length-----	Mark	Pieces	ITEM NUMBER
04J90L B	* 04J90L B	.1050	48.0000	10,040	COIL	615.50	3	1

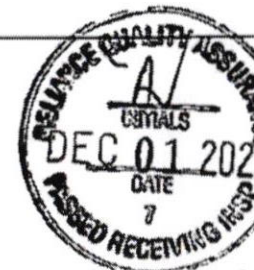
ANAB, ISO/IEC 17025, Certificate# L232

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %	
J90L	US	.0261	18.2975	.4850	1.8450	.4895	.0874	8.0695	.0295	.0037	
		SI %									
		.3130									

MECHANICAL PROPERTIES

Product ID #	Coil #	UTS	20C .2% YS	20C ELONG	% Hard	Tail
		KSI	KSI	%-2"	RB	Hard
04J90L B	04J90L B	F T 92.56	44.07	50.17	82.50	84.00



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.