

Wieland Rolled Products North America, LLC, Waterbury, CT

Delta Alloys LLC
22582 Avenida Empresa
Rancho Santa Margarita, CA 92688

Your order No.	26621
Date	Aug 11, 2025
Your material No.	301HH005
Our confirmation No.	2410005193 001
Our delivery note No.	2480010712 010
Quantity delivered	4210 LBS
Date	Dec 18, 2025

Inspection certificate 3.1 as per EN 10204 : 2004

Product:

Bare strip

Material:

Wieland PH2 SS301

Temper: 1/2-hard

Dimensions:

Dim A: 0.005 in

Dim B: 36 in

Dim C:

Dim D:

Specification:

Revision/Date of issue:

Temper designation

Chem. Analysis: ASTM A666

-24

Mech. parameters: ASTM A666

-24

1/2 HARD

Further specifications: AMS 5518P

Remarks:

Finish: 2TR

Material is certified to AMS 5518P

Heat - 7550426 - Cleveland Cliffs

Melted in the USA - DFARS Compliant; HRB, HRC, or HRF converted per ASTM E140 from HV, 15T, or 15N

Coil-No. WY3VT

Heat-No. CE7550426

Prod-No. 57005640

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Chemical composition as 3.1 EN 10204 : 2004

The sum of the other elements corresponds to what is specified in the chemical standard.

Cu Copper	Fe Iron	Ni Nickel
P Phosphorus	S Sulphur	C Carbon
Cr Chromium		

Specified values:

Parameter tested (in %)	Cu	Fe	Ni	P	S	C	Cr
Minimum/Reference(R)							
Maximum/Reference(R)							

Measured values:*

Heat/Lot No.

CE7550426	0.36	balance	7.67	0.032	0.002	0.09	17.65
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Mn Manganese	Si Silicon	Mo Molybdenum content
N Nitrogen content		

Specified values:

Parameter tested (in %)	Mn	Si	Mo	N
Minimum/Reference(R)				
Maximum/Reference(R)				

Measured values:*

Heat/Lot No.

CE7550426	1.21	0.43	0.10	0.03
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Mechanical testing

HV0,5 Vickers hardness HV0,5	HRC Rockwell hardness HRC	XQURM Tensile Strength Transverse
XQURP2 0.2%Yield Strength Transverse	QUA2" Elongation A2" Transverse	

Specified values:

Parameter tested	HV0,5	HRC	XQURM	XQURP2	QUA2"
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Unit	KSI	KSI	%
Minimum/Reference(R)	150	110	15
Maximum/Reference(R)			

Measured values:

sample number

WY3VT.0003_1	375	38	165	126	37
WY3VT.0003_2			168	130	34

Further inspections

Test method	Unit	Specified Reference(R)		Measured	
		Min.	Max.		
180° bend test parallel D=2T				Result good	
Ra - arithmetic average roughness Parallel	μinch			4.0	6.0
Ra - arithmetic average roughness Transverse	μinch			8.0	10.0

Method of control of dimensions

Test method	Unit	Specified Reference(R)		Measured	
		Min.	Max.		
Gauge	in	0.00475	0.00525	0.00510	0.00510

Attestation of conformity

As manufacturer we declare that the products described herein comply with the specifications agreed with the purchaser, with the above-mentioned standards, descriptions, quantity and the data indicated in this certificate.

These products have been manufactured under a quality system certified to ISO 9001:2015. Our quality system is audited regularly (ABS Quality Evaluations Certificate No. 30634).

The results of the chemical analysis, of the mechanical/technical and physical tests have been obtained by the certified test laboratory.

Regarding Cd and Pb the shipment is in compliance per RoHS, ELV and WEEE requirements.

Strip and sheet in copper and copper alloys do not contain: Cr(VI) and its compounds CFC, HCFC, PCB, PCN, CP, Mirex, PBB, PBDE, TBBP - A - bis, organic tin compounds, asbestos and Azo-compounds, Hg - analyses on sample show values < 0.0005 % (m/m).

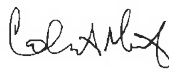
*In the case of several rows per casting number, the first row contains the smallest and the second row the largest measured values of chemical composition.

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Glenn Meier (Inspection Representative)
Telephone: +12035975088
e-mail: glenn.meier@wieland.com
Computer-generated inspection certificate



Metallurgical Test Report
Cleveland-Cliffs Coshocton Works
17400 State Route 16
Coshocton, OH 43812 U.S.A.

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Certificate No. CSW-2025-7942099-1165661-0248-01
Load No. 7942099
Srn No. 7942099

C U S T O M E R	WIELAND ROLLED PRODUCTS NORTH AMERICA LLC 215 PIEDMONT ST WATERBURY, CT 06720-0270	S H I P T O WIELAND RA WATERBURY THINSTRIP ATTN: G. BRAGG GATE 2 94 BALDWIN AVENUE WATERBURY, CT 06706	MILL ORDER NO.	PROCESSOR ORDER NO.	BUYERS ORDER NO.
			1165661-0248	4509359555	4509359555
			PART NO.	ALT PART NO.	
			300091949		
			ENGLISH UNITS --PRODUCT:-- METRIC UNITS .0350 NOM 36.0000 X COIL		

SKID ID	PIECE	HEAT	PARENT LIFT ID	NET WEIGHT	ALT LIFT ID
SKD538470	1	7550426	444722-04	14,595 LBS. 6,620 KG.	834443AA
SKD538480	1	7550426	444722-04	14,245 LBS. 6,461 KG.	834443AB
TOTAL SKIDS	TOTAL PIECES			TOTAL NET WEIGHT	
2	2			28,840 LBS. 13,081 KG.	

Ladle Analysis of Heat **P-Product Analysis of Parent Coil** **CHEMICAL ANALYSIS**

ID (wt. %)	C	MN	P	S	SI	CR	NI	MO	N	CU	TI	AL	CB	CO	PB
* L 7550426	.09	1.21	.032	.002	.43	17.65	7.67	.10	.03	.36	.001	.0011	.002	.074	.0005

		Metallurgical Test Report Cleveland-Cliffs Coshocton Works 17400 State Route 16 Coshocton, OH 43812 U.S.A.		Page 2
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				Load No. 7942099
				Srn No. 7942099
		MILL ORDER NO. 1165661-0248		PROCESSOR ORDER NO. 4509359555
		PART NO. 300091949		ALT PART NO.
		ENGLISH UNITS --PRODUCT:--		METRIC UNITS
		.0350 NOM		36.0000 X COIL
ISSUE / SHIP DATE: 06/17/2025		REMARKS		
PRODUCING MILL: Cleveland-Cliffs Coshocton Works 17400 State Route 16 Coshocton, OH 43812 U.S.A.		NO INTENTIONAL ADDITIONS OF MERCURY OR MERCURY COMPOUNDS WERE MADE OR USED THROUGHOUT THE PROCESSING AND TESTING OF THIS MATERIAL. THIS MATERIAL WAS MELTED AND MANUFACTURED IN THE U.S.A. (DFARS 252.225.7001, 7008 & 7009 COMPLIANT). THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON DOCUMENTS RELATING TO PRODUCTS SOLD TO DEPARTMENTS OR AGENCIES OF THE UNITED STATES GOVERNMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE, TITLE 18, SECTION 47. BALANCE OF CHEMICAL COMPOSITION NOT REPORTED IS IRON AND MINOR RESIDUAL ELEMENTS. MATERIAL MELTED IN BUTLER, PA, USA STAINLESS STEELS SUPPLIED BY CLEVELAND-CLIFFS CORPORATION COMPLY WITH THE EURO PEAN END-OF-LIFE VEHICLE DIRECTIVE 2000/53/EC (ELVD) AND THE RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE KNOWN AS EU-DIRECTIVE 2015/863, EFFECTIVE MARCH 31, 2015 (ROHS 3) RESIDUAL LEVELS OF Hg, Pb, Cd, & HEXAVALENT CHROMIUM ARE WITHIN ACCEPTABLE LIMITS ACCORDING TO THESE DIRECTIVES. Test results listed only relate to the product shown on this test report. Test report shall not be reproduced, except in full, without the written approval of the original testing laboratory. Conformance to the specification limits are based on simple acceptance that the results are within the limits (measurement uncertainty is not taken into account).		
PRODUCT DESCRIPTION				
CR SHT TYPE 301 STAINLESS NI 7.5% MIN #2D FINISH SLIT EDGE * ASTM A 240-25 (UNS S30100) * ASTM A 666-24 UNS S30100 * AMS 5901D * WIELAND 301HN (2002) O WITH DOCUMENTED EXCEPTIONS DTD 04/19/23 ACCEPTED ON 04/20/23.				