



Certificate No.
77682

Revision
00

Customer Order No.
019014-1

Production mill
Avesta Plant

Date
13 Aug 2021

Delivery No.
8000076751

Sold to Ovako Metals Oy Ab Atomitie 5A 00370 HELSINKI FINLAND		Product Stainless Steel Hot Rolled Plate, Slit edge, Core 304L/4307 Finish 1D		Grade 1.4301 1.4307 TYPE 304 / UNS S30400 TYPE 304L / UNS S30403			
Ship to Ovako Metals Oy Ab Tuotekatu 3 33840 TAMPERE FINLAND		Requirements ASTM A240/A240M - 20a EN 10028-7:2016 EN 10088-2:2014 AD 2000 W 2, Ausg. 01.2020, W 10, Ausg. 01.2020 & EN 10028-7:2016 ASME SA-240/SA-240M BPVC.II.A-2019 ASTM A480/A480M - 20a EN ISO 9444-2:2010 ASME SA-480/SA-480M BPVC.II.A-2019 NACE MR0175/EN ISO 15156-1:2020 & NACE MR0175/EN ISO 15156-3:2020					
Mark of manufacturer outokumpu	Process E+AOD	Inspector's Stamp 					
Sales order Item 1	Dimensions 10,00 X 1500,0 X 3000 mm	Quantity (pcs) 14	Weight 5023 kg	Heat No. 512720	Lot No. 001	Identification No. of Product 512720-001	Customer's Material No.

Chemical Composition

Heat No.	Country of Melt	C %	Si %	Mn %	P %	S %	Cr %	Ni %	N %
512720	Sweden	0,023	0,32	1,44	0,031	0,001	18,2	8,0	0,060

Test Results (1=Beginning, 2=Middle, 3=End, T=Transverse, L=Longitudinal, D=Diagonal, RT=Room temperature)

Identification No. of Product	Sample ID	EN ISO 6892-1 / ASTM A370 (RT)					ASTM E10 / EN ISO 6506-1	
		RP0.2 MPa	RP1.0 MPa	RM MPa	A5 %	A50 %	HARDNESS HBW	
512720-001	Minimum	210	250	520	45	40	201	
	Maximum			700				
512720-001	1 T 783280	333	371	617	56	58	178	
512720-001	3 T 783281	337	375	620	56	58	187	
		EN ISO 3651-2 A	PMI					
Identification No. of Product	Sample ID	INTERGRANULAR CORROSION						
512720-001	Minimum							
	Maximum							
512720-001	1 T 783280	OK	OK					

Outokumpu Stainless AB Business Area Operations Avesta SWEDEN Tel: +46 (0)226 811 73 Regoffice: Stockholm SWEDEN, Regno: 556001-8748 V.A.T no: SE556001874801	This material is found to comply with order requirements KRISTINA WRETSTAM Authorized Inspector certificates.avesta@outokumpu.com
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512720-001	3 T 783281		OK				
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Country of Origin: Sweden

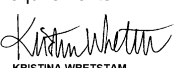
Solution annealed at 1070 °C/1958 °F. Rapidly cooled with water and air.

Certified acc. to PED 2014/68/EU by TÜV NORD, notified body, Reg-No. 0045

Certified acc. to AD 2000-Merkblatt W0 by TÜV NORD, notified body, Reg-No. 0045

Marking, visual and dimensional inspection: Approved

Outokumpu Stainless AB
 Business Area
 Operations Avesta
 SWEDEN
 Tel: +46 (0)226 811 73
 Regoffice: Stockholm SWEDEN,
 Regno: 556001-8748
 V.A.T no: SE556001874801

This material is found to comply with order requirements

 KRISTINA WRETSTAM
 Authorized Inspector
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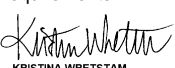
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Packing Information

Delivery Item	Identification No. of Product	Batch No.	Quantity(pcs)	Weight	Length
10	512720-001	D023024730	3	1079 kg	
10	512720-001	D023024830	3	1077 kg	
10	512720-001	D023024930	3	1077 kg	
10	512720-001	D023025030	3	1075 kg	
10	512720-001	D023025130	2	715 kg	

<p> Outokumpu Stainless AB Business Area Operations Avesta SWEDEN Tel: +46 (0)226 811 73 Regoffice: Stockholm SWEDEN, Regno: 556001-8748 V.A.T no: SE556001874801 </p>	<p> This material is found to comply with order requirements </p> <p>  <small>KRISTINA WRETSTAM</small> </p> <p> Authorized Inspector certificates.avesta@outokumpu.com </p>	
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