



Certificate No.
228735

Revision
00

Customer Order No.
17910

Production mill
Avesta Plant

Date
31 Jan 2024

Delivery No.
8000233442

Sold to Htm Yhtiöt Oy Tiilitehtaantie 23 FI-12310 RYTTYLÄ FINLAND		Product Stainless Steel Hot Rolled Plate, Slit edge, Supra 316L/4404 Finish 1D		Grade 1.4401 1.4404 TYPE 316 / UNS S31600 TYPE 316L / UNS S31603	
Ship to Htm Yhtiöt Oy Teoollisuuskuja 1 FI-14200 TURENKI FINLAND		Requirements AD 2000 W 2, Ausg. 03.2022, W 10, Ausg. 06.2022 & EN 10028-7:2016 ASME SA-240/SA-240M BPVC.II.A-2023 ASTM A240/A240M - 23a EN 10028-7:2016 EN 10088-2:2014 EN 10088-4:2009 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 130		Dimensions 10,00 X 1500,0 X 3000 mm		Quantity (pcs) 14	
Weight 5029 kg		Heat No. 540113		Lot No. 2	
Identification No. of Product 540113-2		Customer's Material No. 17910		ASME SA-480/SA-480M BPVC.II.A-2023 ASTM A480/A480M - 23b EN ISO 9444-2:2010	

Chemical Composition

Heat No.	Country of Melt	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	N %
540113	Sweden	0,021	0,29	1,24	0,031	0,001	16,7	10,2	2,10	0,056

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
540113-2	Minimum	220	260	530	40	40	217
	Maximum			680			
540113-2	1 T 836217	337	375	609	55	57	187
540113-2	3 T 836218	337	374	612	53	55	187
		EN ISO 3651-2 A	PMI				
Identification No. of Product	Sample ID	INTERGRANULAR CORROSION					
		Minimum	Maximum				
540113-2	1 T 836217	OK	OK				
540113-2	3 T 836218	OK	OK				

Country of Origin: Sweden

DOPS acc. to CPR available on the web page by steel number

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

Avg.t CO2e/t: 1,2586

Model verified. Scope 1, 2, 3 - Calculation details available on Outokumpu's website

Solution annealed at 1075 °C/1967 °F. Rapidly cooled with water and air.

Outokumpu Stainless AB Bergsnäsgatan 11 77441 Avesta, Sweden Tel: +46 (0)226 811 73 Regoffice: Stockholm SWEDEN, Regno: 556001-8748 VAT ID: SE556001874801	This material is found to comply with order requirements Authorized Inspector certificates.avesta@outokumpu.com	 10 0045 - CPR - 0869 DoP (Declaration of Performance) on: www.outokumpu.com/locations/avesta
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Certified acc. to AD 2000-Merkblatt W0 by TÜV NORD

Marking, visual and dimensional inspection: Approved

Outokumpu Stainless AB
Bergsnäsgratan 11
77441 Avesta, Sweden
Tel: +46 (0)226 811 73
Regoffice: Stockholm SWEDEN,
Regno: 556001-8748
VAT ID: SE556001874801

This material is found to comply with order requirements

Kalle Johansson

Authorized Inspector
certificates.avesta@outokumpu.com

CE

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DoP (Declaration of Performance) on:
www.outokumpu.com/locations/avesta



Certificate No.
 228735

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Packing Information

Delivery Item	Identification No. of Product	Batch No.	Quantity(pcs)	Weight	Length
30	540113-2	D045428630	5	1797 kg	
30	540113-2	D045428730	5	1797 kg	
30	540113-2	D045428830	4	1435 kg	

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