

7.1.2020

454328

Customer's order number 012963		Manufacturer's order number 154121 1		
Customer/consignee Ovako Metals Oy Ab Tuotekatu 3 33840 Tampere		Buyer Ovako Metals Oy Ab Tuotekatu 3 33840 Tampere		
Customer reference number 012963-5130/96-721009				
Product Round bar As rolled Hot rolled, cold drawn		Steel grade IMATRA 550		
		Specification IS 2722.01.05		
Charge 38345	Abbreviation VNS	Diameter/dimensions 40 mm	Tolerance type h09	Reduction ratio 82,83 :1

CAST ANALYSIS

	C %	SI %	MN %	P %	S %	CR %	NI %	MO %	
Min					0,020				
Result	0,12	0,23	1,03	0,025	0,036	0,14	0,14	0,04	
Max	0,20	0,55	1,60	0,025	0,040				
	V %	TI %	CU %	ALS %	AS %	SN %	B %	CA %	
Min								0,0020	
Result	0,05	0,0008	0,23	0,014	0,008	0,011	0,0001	0,0050	
Max	0,09		0,30						
	N %	NB %	CO %	PB %	W %	SB %	CEV %		
Min									
Result	0,013	0,002	0,014	0,0006	0,007	0,001	0,36		
Max							0,47		

TENSILE TEST FROM 1/3 RADIUS EN ISO 6892-1

	Rp0.2 MPa	Rm MPa	A 5 %	Z %
Min	500	550	12	
Result	624	632	14	66
Max		750		

This material meets also the requirements of S355J2C+C according to EN 10277:2018
Steel production process: Electric Arc Furnace, Vacuum Degassing and Continuous Casting

Country of origin: Finland

The products supplied are in compliance with the requirements of the order

This certificate is issued electronically and is valid without a signature

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Kumpulainen Helena
Authorized Representative