

1.2.2019

442194

Customer's order number 009906		Manufacturer's order number 149150 1		
Customer/consignee Ovako Metals Oy Ab Tuotekatu 3 33840 Tampere		Buyer Ovako Metals Oy Ab Tuotekatu 3 33840 Tampere		
Customer reference number 009906-5130/96-721009				
Product Round bar As rolled Hot rolled, cold drawn		Steel grade IMATRA 550		
		Specification IS 2722.01.05		
Charge 36000	Abbreviation T85	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	0,13	0,29	1,09	0,013	0,035	0,18	0,16	0,03	
Max	0,20	0,55	1,60	0,025	0,040				
	V	TI	CU	ALS	AS	SN	B	CA	
	%	%	%	%	%	%	%	%	
Min								0,0020	
Result	0,06	0,0012	0,27	0,009	0,009	0,014	0,0003	0,0044	
Max	0,09		0,30						
	N	NB	CO	PB	W	SB	CEV		
	%	%	%	%	%	%	%		
Min									
Result	0,009	0,004	0,014	0,0006	0,008	0,003	0,39		
Max							0,47		

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

	Rp0.2	Rm	A	5	Z
	MPa	MPa	%	%	
Min	500	550	12		
Result	588	608	15	65	
Max		750			

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

Kumpulainen Helena
Authorized Representative