

21.3.2018

428013

Customer's order number 006073		Manufacturer's order number 142949 1		
Customer/consignee Ovako Metals Oy Ab Tuotekatu 3 33840 Tampere		Buyer Ovako Metals Oy Ab Tuotekatu 3 33840 Tampere		
Customer reference number 006073-5130/96-721011				
Product Round bar As rolled Hot rolled, cold drawn		Steel grade IMATRA 550		
		Specification IS 2722.01.05		
Charge 33036	Abbreviation P5G	Diameter/dimensions 50 mm	Tolerance type h09	Reduction ratio 53,62 :1

CAST ANALYSIS

	C	SI	MN	P	S	CR	NI	MO	
	%	%	%	%	%	%	%	%	
Min					0,020				
Result	0,13	0,24	1,07	0,015	0,036	0,27	0,16	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	0,0014	0,19	0,011	0,006	0,010	0,0002	0,0042	
Max	0,09		0,30						
	N	NB	CO	PB	W	SB	CEV		
	%	%	%	%	%	%	%		
Min									
Result	0,012	0,002	0,012	0,0020	0,007	0,001	0,41		
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	613	627	14	61	
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

Karhula Matti
Authorized Representative