

INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204

ISO 9001 and ISO/TS 16949 approved,
certified by Lloyd's Register LRQA

Delivery address OVAKO METALS OY AB TUOTEKATU 3 FI-33840 TAMMERFORS	Date 180130 Our order 1892529	Cert number C6247586 Pos 1	Ver 1	Page 1
Intended for OVAKO METALS OY AB	Your order 006456	Your art.number 55-1751700		
Specification OVAKO 280 FULFIL ALL REQUIREMENTS OF EN1 0294 E470 & EN10267.	Ovako grade 280T	Grade 19MNV56 / 280T		
Product HOT ROLLED TUBES.				
Check of radioactivity has been performed.				

Extent of delivery

Type No 135110	OD mm 136,90	ID mm 106,60			
Quantity kg 996,0	Net weight Kg 996,0	MO number 2285705	Heat Number G8411		
OD mm 136,90	ID mm 106,60				
Heat number G8411	Chemical composition				
	C % 0,18	Si % 0,32	Mn % 1,48	P % 0,008	S % 0,022
	Cr % 0,24	Ni % 0,11	Mo % 0,04	Cu % 0,114	V % 0,091
	CE 0,510				
<i>Continue...</i>					

Printed by computer	The requirements stipulated are satisfied	Issuer of certificate A000240
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Date	Cert number	Heat number	Ver	Page
180130	C6247586	G8411	1	2
MECHANICAL TEST RESULTS				
Sample				
	A5 %	ReH N/mm2	Rm N/mm2	Z %
10	22,8	533	727	66
HARDNESS HB				
Sample				
	HB			
10	233			
IMPACT TEST, KV IN JOULE, LONGITUDINAL				
Sample				
	KV+20°C			
10	29			
110	51			
120	45			
Printed by computer		The requirements stipulated are satisfied		Issuer of certificate A000240