

A 253078

HSW HUTA STALI JAKOŚCIOWYCH S.A. Adres: str. E. Kwiatkowskiego 1 37-450 Stalowa Wola POLAND tel. (015) 843 41 11 NIP 865-23-72-944				COPY INSPECTION CERTIFICATE No 38106/2007 EN 10204/3.1							
Customer:											
Customer order No:				Order No:				Receipt Report No:			
272000231 2720000231				263.1160.023.7				2740			
Order description:											
Description:		Dimension:		Steel type:		Heat No:		Pieces:		Weight	
Hot rolled steel sheet		≠ 6x1250x2000		14MOV6-3		80234		61		7 340	
Delivery condition: normalized and tempered		Lenght:									
PN-EN 10222-2											
EN 10029 KLA											
EN 10163 KLA											
Arc furnace process											
1. Chemical Analysis:											
Heat No	C	Mn	Si	P	S	Cr	Ni	Cu	Mo	Alc	V
80234	0.1200	0.4700	0.1800	0.0100	0.0070	0.4800	0.1300	0.1800	0.5100	0.0110	0.2900
	Sn										
	0.0160										
2. Mechanical properties and hardness											
Heat No	Test No	Heat treatment	Re MPa	Rm MPa	A5 %	Z %	Impact KCU3 +20°C [J/cm2]	Heat treatment tests	Hardness HB		
80234	723	normalized and tempered	425	575	23.0		173;183;188		normalized and tempered 179;182		
3. Other tests											
Macroetch test:											
Microinclusions:								Grain size: method			
Equivalent 15128.5 per CSN 415128.											
Surface and dimensions tested at 100%. Spark test - 100%				Material was carried out acc. to Technical Specifications and order confirmation				Material marked: Heat No., grade, Quality Control KJ			

Material was released on the base of inspection and tests carried out

Quality Control


 Pełnomocnik Zarządu
 HSW Huta Stali Jakościowych S.A.
 Główny Specjalista Kontroli Jakości

Expert stamp

 Stalowa Wola
 2007 r. 10