



CERTIFIED MATERIAL REPORT



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Trade Name	SMT-310	Size	1.2 mm x 15Kg							
Lot No.	P011012	Purchaser's Order No.	HWC-250429V1							
Specification	AWS A5.9 ER310		* According to EN 10204-2004 : 3.1							
Welding Current	-	Shielding Gas	-	Post Weld Heat Treatment (°C×hr.)	-					
Mechanical Properties										
Weld Metal	Tensile Test			Impact Test (CVN - Joule)						
	YS (MPa)	TS (MPa)	EL (%)	Temp. (°C)	X ₁	X ₂	X ₃	Avg.		
	345	615	33.5	-	-	-	-	-		
AWS Spec.	-	-	-	-						
Chemical Composition (%)										
Weld Metal	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	
	0.106	0.52	1.97	0.015	0.002	0.05	20.82	26.42	0.09	
AWS Spec.	0.08 ~0.15	0.30 ~0.65	1.0 ~2.5	≤0.03	≤0.03	≤0.75	20.0 ~22.5	25.0 ~28.0	≤0.75	
Others										
* Q'ty: 450 kg										
We hereby certify that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements.										
Approved by										
QA Manager Pham Dinh Anh Vu										

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