



CERTIFIED MATERIAL REPORT



CMR No. : HDV – 2025 – 0713

Date of Issue : 2025 – 07 – 31

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Trade Name	SMT-2209	Size	2.4 mm x 1000mm
Lot No.	5692924	Purchaser's Order No.	HWC-250429V1
Specification	AWS A5.9 ER2209 * 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.
	705	800	29.0	-	-	-	-	-
AWS Spec.	-	-	-	-				

Chemical Composition (%)

Weld Metal	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	N
	0.022	0.58	1.57	0.021	0.003	0.06	8.71	23.35	3.25	0.11
AWS Spec.	≤0.03	≤0.90	0.5 ~2.0	≤0.03	≤0.03	≤0.75	7.5 ~9.5	21.5 ~23.5	2.5 ~3.5	0.08 ~0.20

Others

* Q'ty: 300 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 **Phạm Đình Anh Vũ**

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