

CERTIFIED MATERIAL REPORT

CMR No. : 1401143500004

Date of Issue : 2014-01-14

Customer		M.BINDT TRADING							
Trade Name		S-7024.F			Size		5.0mm*450mm		
Lot No.		396070			Purchaser's Order No.		-		
Applicable Specification		AWS A5.1 E7024 * According to EN 10204-2004 : 3.1 Equivalent to EN ISO 2560-A E42 0 RR 7 4							
Welding Current	AC	Shielding Gas	-			Post Weld Heat Treatment (°C × hr.)		AS WELDED	
Mechanical Properties		Tensile Test			Impact Test (CVN - Joule)				
		YS(MPa)	TS(MPa)	EL (%)	Temp.(°C)	X1	X2	X3	Avg.
		509	584	28.4		-	-	-	-
Spec.		≥400	≥482	≥17					

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.09	0.56	0.88	0.020	0.015	0.05	0.05	0.01	0.01		
Spec.	≤0.15	≤0.90	≤1.25	≤0.035	≤0.035	≤0.30	≤0.20	≤0.30	≤0.08		

Others

Tested with S-7024.F 4.0mm to obtain the above results.

*CONTRACT NO.: 50128

We hereby certifies 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

ORIGINAL

Sang Hee Lee

QA Manager Lee, S. H.



HYUNDAI WELDING CO., LTD.

Head Office 157-37, Samsung-dong, Gangnam-gu, Seoul, Republic of Korea

Pohang Plant 90-5, Jangheung-dong, Nam-gu, Pohang-si, Republic of Korea