

SeAH CSS

SeAH Changwon Integrated Special Steel
147 Jeokhyeon-ro, Seongsan, Changwon, Gyeongnam, Korea

INSPECTION CERTIFICATE

Date : 2021-03-09

Cert. No. : 210308-2253

Made in Korea

Melted and poured in the Republic of Korea



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Steel Grade : SKD11	Specification(Ed/Add) : JIS G4404 (2006)	Customer : PHUONG TRANG
Heat No. : N23025	Melting Process : E.A.F. - L.F. & V.D. - INGOT CASTING	Supplier :
Size : THICKNESS 30 MM X WIDTH 510 MM	Delivery Condition : SPHEROIDIZING ANNEALING	Purchase order No. : PT2101
Commodity : FLATS	BLACK SURFACE	

Inspection Items	Chemical Composition (wt. %)											Nonmetallic Inclusion (ASTM E-45)							
	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V									
												(Method A)							
Spec.	Min.	1.400							11.000	0.800	0.200								
	Max.	1.600	0.400	0.600	0.0300	0.0300			13.000	1.200	0.500								
Ladle		1.488	0.327	0.297	0.0257	0.0010	0.153	0.368	11.386	0.814	0.243								

Inspection Items	Tensile Test				Hardness (HB)		Impact Test		Decarburized Layer		Grain Size	Micro Structure	Ultrasonic Test
							Type			DM-T	DM-F		
Spec.	Min.												
	Max.					255							
6700-1						247.0						GOOD	GOOD

Lot No.	Bundle No.	Length(mm)	Number of Qt.	Total Length	Weight (kg)	Weight (lb)	Case No.	Remark
B110116700	B1101167001	3540 - 4000	3		1,413	3,115		<<Remark>> EN 10204 Type 3.1 / NO REPAIR WELDING. FREE FROM MERCURY CONTAMINATION.
TOTAL			3		1,413	3,115		

We hereby certify that the material described herein has been made in accordance with the rules of the contract.
Our quality system is certified in accordance with ISO 9001: 2015 by DNV GL.

Certified by **S. H. K**
Manager of Quality Assurance Team