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

INSPECTION CERTIFICATE

Date : 2021-06-02
Cert No. : 210601-2287
Made in Korea
Melted and poured in the Republic of Korea

Steel Grade : SKD61
Heat No. : N23294
Size : THICKNESS 33 MM X WIDTH 510 MM
Commodity : FLATS

Specification(Ed/Add) : JIS G4404 (2006)
Melting Process : E.A.F. - L.F.& V.D. - INGOT CASTING
Delivery Condition : SPHEROIDIZING ANNEALING
BLACK SURFACE

Customer : PHUONG TRANG
Supplier : -
Purchase order No. : PT2102-1

Inspection Items		Chemical Composition (wt. %)									Nonmetallic Inclusion(ASTM E-45) (Method A)							
		C	Si	Mn	P	S	Cu	Cr	Mo	V	A(T)	A(H)	B(T)	B(H)	C(T)	C(H)	D(T)	D(H)
Spec.	Min.	0.350	0.800	0.250				4.800	1.000	0.800								
	Max.	0.420	1.200	0.500	0.0300	0.0200		5.500	1.500	1.150	2	2	2	2	2	2	2	2
Ladle		0.376	0.961	0.344	0.0208	0.0013	0.129	5.015	1.243	0.832	.0	.0	.2	.0	.0	.0	.8	.4

Inspection Items		Tensile Test						Hardness (HB)			Impact Test						Decarburized Layer		Grain Size	Micro Structure	Ultrasonic Test
											Type						DM-T	DM-F			
Spec.	Min.																				
	Max.							229													
8600-1								191.0												GOOD	GOOD

Lot No.	Bundle No.	Length(mm)	Number of Qt.	Total Length	Weight (kg)	Weight (lb)	Case No.
B120218600	B1202186001	4590 - 4960	2		1,284	2,831	
		TOTAL	2		1,284	2,831	

<<Remark>> EN 10204 Type 3.1 / NO REPAIR WELDING. FREE FROM MERCURY CONTAMINATION.

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. Ko

Manager of Quality Assurance Team

Original SeAH CSS Original