

REF. CD: SG1304

147 Jeokhyeon-ro, Seongsan, Changwon, Gyeongnam, Korea

INSPECTION-CERTIFICATE

MANUFACTURE NO. : KR2AD20AA3040

ARTICLE : ROUND BARS



SMOOTH TURNED

V.O.D.

INGOT CASTING

Heat No.		Chemical Composition(wt.%)														Non-Metallic Inclusion Test								
Spec.	MIN.	C	SI	MN	P	S	NI	CR	MO	CU							ASTM-E45							
	MAX.	.070	1.000	1.000	.0400	.0300	5.000	17.500		5.000							TA	TB	TC	TD	HA	HB	HC	HD
N03011		.032	.416	.647	.0266	.0019	4.099	15.177	.086	3.157							0.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0

Test No. (Lot No.)		Tensile Properties				Hardness		Impact Test			Decarburized Depth (mm)		Grain Size No.	Additional Tests	
Spec.	MIN.	Y.S.(KSI)		T.S (KSI)	EL. (%)	R.A. (%)	Body HRc	CHARPY-V						Ultrasonic test: GOOD	
	MAX.	0.2%						+25℃			FT-LB		TOTAL		
		125.0		145.0	13.0	45.0	32.0	20							
6000-1		155.0		160.0	17.0	62.0	35.6	36	48	34			7.5		

Lot No.	Bundle No.	Length (mm)	Number of Qt.	Weight		Additional Tests / Remarks
				Kg	lb	
3045186000	30451860001	6000	15	1,788	3,942	LADLE(%): NB+TA 0.2751 Solution : 1040℃, 1:20Hrs, Fan cooling Aging : 580℃, 4:30Hrs, Air cooling CERTIFIED TO ASME SA564 630 H1075 EN 10204 Type 3.1 / NO REPAIR WELDING. FREE FROM MERCURY CONTAMINATION.
		TOTAL	15	1,788	3,942	<div><div>CERTIFIED TRUE COPY</div><div></div><div>SIN GHEE HUAT CORPORATION LTD.</div></div>

We here certify, that the material described above has been tested and complies with the terms of the order contract.
Our quality system is certified in accordance with
ISO 9001: 2008 by DINV.

S. K. P.K

General manager, Quality Technology Department

DATE : JUL. 29. 2013