



SUMITOMO METAL INDUSTRIES, LTD.
WAKAYAMA STEEL WORKS (KAINAN)
260-100, FUNOO, KAINAN, JAPAN

INSPECTION CERTIFICATE

CERTIFICATE NO. :BYFF2627

PAGE : 1/1 DATE :2012-09-21

CUSTOMER : [REDACTED]
ORDER NO. :129GT004
SHIPPER : [REDACTED]
COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-2336R8
STANDARD :PM-SMD
SPECIFICATION :
MILL WORK NO. :BYFF2627

O. D. :139.7mm W. T. :9.17mm LENGTH:MIN.9444mm MAX.9596mm
QUANTITY:1016pcs. TOTAL LENGTH:9678.284m MASS:305134kg

HEAT NO. :J2L8610 J2L8836 J2L9151 J2L9154
PRODUCTS PCS. :7 61 577 371

CHEMICAL COMPOSITION (%)

		#1	C	Si	Mn	P	S	Cu	Cr	Mo	V	*SA
						#2	#2				#2	#2
SPEC. MIN.		R	25	15	70	-	-	-	100	40	-	15
MAX.		R	31	35	90	15	5	20	120	50	50	50
HEAT NO.												
J2L8610		L	27	26	76	8	4	2	108	42	0	36
		P	28	28	74	7	4	1	106	43	0	34
		P	28	28	74	7	4	1	106	43	0	35
J2L8836		L	28	24	77	8	3	2	107	42	0	26
		P	29	25	78	8	3	1	105	43	0	23
		P	29	24	77	8	3	1	105	43	0	23
J2L9151		L	29	25	80	10	5	2	110	41	0	37
		P	28	24	81	9	4	1	107	42	0	33
		P	28	23	81	9	4	1	107	42	0	33
J2L9154		L	28	25	80	9	4	2	108	41	0	40
		P	28	25	80	9	4	1	107	42	0	36
		P	29	25	80	8	4	1	107	42	0	36

*1 R:LADLE & PRODUCT ANALYSIS L:LADLE ANALYSIS P:PRODUCT ANALYSIS #2:X1000 OTHER:X100 *SA:Sol. Al

VISUAL & DIMENSIONS: ACCEPTABLE
EDDY CURRENT EXAMINATION: ACCEPTABLE

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED, SAMPLED, TESTED, AND INSPECTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIES THE REQUIREMENTS.

T. Kondo

MANAGER, QUALITY ASSURANCE SECTION

<An Important Message To Our Customers>

This certification is intended only for products listed. Modification to or unauthorized use of this certification is strictly prohibited. Offences may be regarded as forgery of documents and be subject to criminal prosecution. If you have any questions on this certification, you can contact us by facsimile or e-mail as shown below:
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