



INSPECTION CERTIFICATE

CERTIFICATE NO. :BYYP5231

PAGE : 1/1 DATE : 2014-12-02

CUSTOMER : [REDACTED]
 ORDER NO. :LG000X2
 SHIPPER : [REDACTED]
 COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-3545R0
 STANDARD :PM-SMD
 SPECIFICATION :
 MILL WORK NO. :BYYP5231 O. D. :101.6mm W. T. :8.38mm LENGTH:MIN.9304mm MAX.9456mm
 QUANTITY:1573pcs. TOTAL LENGTH:14759.68m MASS:305839kg

HEAT NO. :J4KA064 J4KAB71 J4KAB74
 PRODUCTS PCS. :168 242 1163

CHEMICAL COMPOSITION (%)

	#1	C	Si	Mn	P	S	Cu	Cr	Mo	V	*SA
		#2	#2	#2	#2	#2	#2	#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.											
J4KA064	L	28	23	79	10	3	2	108	42	0	26
	P	28	22	79	10	3	1	106	41	0	24
J4KAB71	P	28	23	80	10	3	1	106	42	0	24
	L	29	22	76	9	4	2	107	42	0	41
	P	30	21	78	9	4	1	104	44	0	39
J4KAB74	P	30	22	78	9	3	1	104	44	0	39
	L	29	21	79	10	4	2	109	42	0	38
	P	30	20	80	10	4	1	106	44	0	36
	P	31	20	80	10	3	1	106	44	0	35

*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 DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE CONTRACT.

T. Takano TAKASHI TAKANO

HEAD OF DEPARTMENT
 QUALITY ASSURANCE DEPARTMENT

<An Important Message To Our Customers> NO. 371332K14
 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;
 Fax. No. : +81-3-6867-4926 E-mail:pipe-ipp@jp.nssmc.com



INSPECTION CERTIFICATE

CERTIFICATE NO. :BYYP5235

PAGE : 1/1 DATE : 2014-11-01

CUSTOMER : ██████████
 ORDER NO. : LG000V2
 SHIPPER : ██████████
 COMMODITY : HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-3545R0
 STANDARD : PM-SMD
 SPECIFICATION :
 MILL WORK NO. : BYYP5235 O. D. : 101.6mm W. T. : 8.38mm LENGTH: MIN. 9304mm MAX. 9456mm
 QUANTITY: 1562pcs. TOTAL LENGTH: 14649.434m MASS: 304097kg

HEAT NO. : J4KA064 J4KA066 J4KA069
 PRODUCTS PCS. : 639 851 72

CHEMICAL COMPOSITION (%)

	#1	C	Si	Mn	P	S	Cu	Cr	Mo	V	*SA
		#2	#2	#2	#2	#2	#2	#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.											
J4KA064	L	28	23	79	10	3	2	108	42	0	26
	P	28	24	81	10	3	1	108	43	10	23
	P	28	25	80	10	3	1	107	43	10	24
J4KA066	L	28	22	76	10	3	2	108	42	0	34
	P	27	22	74	10	3	1	106	42	0	34
	P	27	21	74	10	3	1	105	42	0	34
J4KA069	L	28	23	75	11	4	2	108	42	0	30
	P	28	22	74	11	4	1	107	43	0	30
	P	28	22	75	11	4	1	106	42	0	29

*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 DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE CONTRACT.

J. Takano

HEAD OF DEPARTMENT
 QUALITY ASSURANCE DEPARTMENT

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