

**INSPECTION CERTIFICATE**

CERTIFICATE NO. :BYF3525

PAGE : 1/1 DATE :2012-11-28

CUSTOMER :  
ORDER NO. :12YGT002  
SHIPPER :  
COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-2336R8  
STANDARD :PM-SMD  
SPECIFICATION :  
MILL WORK NO. :BYF3525 O. D. :127mm W. T. :9.19mm LENGTH:MIN.9474mm MAX.9626mm QUANTITY:1864pcs.  
TOTAL LENGTH:17807.83m MASS:509325kg

HEAT NO. :J2KA072 J2KB034 J2KB036 J2KB039 J2LA453  
PRODUCTS PCS. :191 159 925 531 58

**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. MAX.	R	R	25	15	70	-	-	-	100	40	-	15
	R	R	31	35	90	15	5	20	120	50	50	50
HEAT NO. J2KA072	L	L	29	25	74	11	4	2	107	41	0	45
	P	P	28	24	73	10	4	2	105	41	0	42
	P	P	28	24	74	10	4	2	105	40	0	43
J2KB034	L	L	28	25	77	11	3	2	110	42	0	33
	P	P	28	24	77	10	3	1	107	42	0	32
	P	P	29	23	79	11	3	1	106	42	0	30
J2KB036	L	L	28	24	74	13	3	2	106	43	0	22
	P	P	29	24	75	13	3	1	104	43	0	22
	P	P	28	24	75	14	4	1	104	43	0	21
J2KB039	L	L	28	24	75	9	3	2	106	42	0	33
	P	P	29	24	77	10	3	1	104	42	0	32
	P	P	28	23	75	10	3	1	104	42	0	29
J2LA453	L	L	28	26	76	10	4	2	109	41	0	38
	P	P	28	26	77	10	4	1	108	42	0	36
	P	P	29	26	77	10	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 DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE CONTRACT.

*T. Kondo*  
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**INSPECTION CERTIFICATE**

CERTIFICATE NO. :BYF4194-01 PAGE : 1/1 DATE :2013-02-20

CUSTOMER :  
ORDER NO. :132GT001  
SHIPPER :  
COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-2336R8  
STANDARD :PM-SMD  
SPECIFICATION :  
MILL WORK NO. :BYF4194 O. D. :127mm W. T. :9.19mm LENGTH:MIN.9474mm MAX.9626mm QUANTITY:1797pcs.  
TOTAL LENGTH:17194.55m MASS:493466kg

HEAT NO. :J2KA072 J2KB039 J3L1694 J3L2084 J3L2086  
PRODUCTS PCS. :11 421 230 846 289

**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
	R		31	35	90	15	5	20	120	50	50	50
HEAT NO. J2KA072	L		29	25	74	11	4	2	107	41	0	45
	P		30	26	74	11	4	1	105	41	0	43
J2KB039	P		30	26	74	11	4	1	105	41	0	43
	L		28	24	75	9	3	2	106	42	0	33
	P		27	25	74	10	3	1	103	42	0	31
J3L1694	P		27	24	74	9	3	1	103	42	0	32
	L		29	20	76	10	5	2	106	43	0	32
	P		29	22	76	10	5	1	104	43	0	32
J3L2084	P		29	22	76	10	4	1	104	43	0	31
	L		28	26	74	9	4	2	105	42	0	29
	P		29	25	74	10	5	1	103	42	0	27
J3L2086	P		28	25	75	10	5	1	103	42	0	26
	L		29	24	78	11	4	2	106	42	0	27
	P		29	25	75	10	4	1	103	42	0	28
	P		29	25	75	10	4	1	103	42	0	28

\*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

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*T. Kondo*

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**INSPECTION CERTIFICATE**

CERTIFICATE NO. :BYFF4197

PAGE : 1/1 DATE : 2013-02-19

CUSTOMER : XXXXXXXXXX  
 ORDER NO. :132GT002  
 SHIPPER : XXXXXXXXXX  
 COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-2336R8  
 STANDARD :PM-SMD  
 SPECIFICATION :  
 MILL WORK NO. :BYFF4197 O. D. :127mm W. T. :9.19mm LENGTH:MIN.9474mm MAX.9626mm QUANTITY:1462pcs.  
 TOTAL LENGTH:13960.04m MASS:400419kg

HEAT NO. :J2KB039 J3L1687 J3L1691 J3L1694  
 PRODUCTS PCS. :2 10 799 651

**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.												
J2KB039	L		28	24	75	9	3	2	106	42	0	33
	P		27	25	74	10	3	1	103	42	0	31
	P		27	24	74	9	3	1	103	42	0	32
J3L1687	L		28	24	73	11	5	2	106	41	0	24
	P		29	23	73	11	4	1	103	42	0	22
	P		28	23	73	11	4	1	103	42	0	22
J3L1691	L		29	23	79	10	4	2	109	42	0	36
	P		29	21	78	9	4	1	106	42	0	35
	P		29	22	78	9	4	1	106	43	0	36
J3L1694	L		29	20	76	10	5	2	106	43	0	32
	P		29	21	75	9	4	1	103	43	0	32
	P		29	21	75	9	4	1	103	43	0	31

\*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

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**INSPECTION CERTIFICATE**

CERTIFICATE NO. :BYFF6938

PAGE : 1/1 DATE : 2015-03-11

CUSTOMER : [REDACTED]  
ORDER NO. :LG00102  
SHIPPER : [REDACTED]  
COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-3545R1  
STANDARD :PM-SMD  
SPECIFICATION :  
MILL WORK NO. :BYFF6938

O. D. :127.0mm W. T. :9.19mm LENGTH:MIN.9374mm MAX.9526mm  
QUANTITY:1495pcs. TOTAL LENGTH:14109.94m MASS:402453kg

HEAT NO.	:J4K9915	J4KA064	J4KAB70	J4KAB71	J4KAB74	J5L1881	J5L2581
PRODUCTS PCS.	:11	3	15	18	109	176	747
HEAT NO.	:J5L2701						
PRODUCTS PCS.	:416						

**CHEMICAL COMPOSITION (%)**

SPEC. MIN. MAX.	#1	R	C	Si	Mn	P	S	Cu	Cr	Mo	V	*SA
			#2	#2	#2	#2	#2	#2	#2	#2	#2	#2
		R	25	15	70	-	-	-	100	40	-	15
		R	31	35	90	15	5	20	120	50	50	50
HEAT NO.												
J4K9915		L	29	25	78	13	3	1	105	41	0	21
		P	28	27	77	12	3	1	103	41	0	19
		P	28	27	77	12	3	1	103	41	0	19
J4KA064		L	28	23	79	10	3	2	108	42	0	26
		P	27	22	80	10	4	1	106	42	0	24
		P	27	22	80	10	3	1	105	41	0	24
J4KAB70		L	28	22	74	11	4	2	109	42	0	24
		P	29	24	74	10	4	1	108	43	0	22
		P	28	24	73	10	4	1	108	42	0	22
J4KAB71		L	29	22	76	9	4	2	107	42	0	41
		P	28	21	76	8	4	1	106	42	0	40
		P	29	21	76	10	4	1	105	43	0	40
J4KAB74		L	29	21	79	10	4	2	109	42	0	38
		P	29	20	82	10	4	1	106	42	0	36
		P	30	20	80	10	4	1	106	42	0	36
J5L1881		L	29	20	79	9	3	1	108	42	0	24
		P	28	19	79	8	4	1	106	43	0	22
		P	28	19	80	9	4	1	107	44	0	22
J5L2581		L	29	26	77	9	4	2	108	42	0	26
		P	28	25	79	9	5	1	106	44	0	24
		P	28	25	80	8	4	1	107	43	0	24
J5L2701		L	28	22	75	11	4	2	106	42	0	31
		P	27	21	74	10	4	1	105	40	0	30
		P	28	22	75	10	4	1	105	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

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*T. Takano* TAKASHI TAKANO

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NO. 391346K15



**INSPECTION CERTIFICATE**

CERTIFICATE NO. :BYF8309

PAGE : 1/1 DATE :2018-02-07

CUSTOMER : ██████████  
 ORDER NO. :LG00711  
 SHIPPER : ██████████  
 COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-3545R1  
 STANDARD :PM-SMD  
 SPECIFICATION :  
 MILL WORK NO. :BYF8309 O. D. :127.0mm W. T. :9.19mm LENGTH:MIN.9474mm MAX.9626mm QUANTITY:935pcs.  
 TOTAL LENGTH:8923.01m MASS:254974kg

HEAT NO. :J6K6751 J7LC904  
 PRODUCTS PCS. :217 718

**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. MAX.	R		25	15	70	-	-	-	100	40	-	15
	R		31	35	90	15	5	20	120	50	50	50
HEAT NO. J6K6751	L		27	22	72	11	3	2	106	42	0	30
	P		26	22	73	10	3	1	104	42	10	33
	P		26	22	74	10	3	1	104	42	10	32
J7LC904	L		28	24	76	11	3	1	109	42	0	38
	P		26	22	78	10	2	1	108	41	10	41
	P		26	23	78	10	2	1	108	41	10	40

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

VISUAL & DIMENSIONS: ACCEPTABLE  
 EDDY CURRENT EXAMINATION: ACCEPTABLE

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*Y. Itoh*

YUJIN ITO

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