



NIPPON STEEL &
SUMITOMO METAL
CORPORATION



NIPPON STEEL & SUMITOMO METAL CORPORATION
WAKAYAMA WORKS (KAINAN)
260-100, FUNOO, KAINAN, JAPAN

INSPECTION CERTIFICATE

CERTIFICATE NO. :BYFF4199

PAGE : 1/1 DATE : 2013-03-05

CUSTOMER : [REDACTED]
ORDER NO. : B2GT003
SHIPPER : [REDACTED]
COMMODITY : HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-2336R8
STANDARD : PM-SMD
SPECIFICATION :
MILL WORK NO. : BYFF4199

O. D. : 139.7mm W. T. : 10.54mm LENGTH: MIN. 9474mm MAX. 9626mm
QUANTITY: 875pcs. TOTAL LENGTH: 8352.06m MASS: 300248kg

HEAT NO.	: J2KB034	J2KB036	J2LA453	J3L1687	J3L1691	J3L1694	J3L2084
PRODUCTS PCS.	: 34	20	10	556	107	34	25
HEAT NO.	: J3L2086						
PRODUCTS PCS.	: 89						

CHEMICAL COMPOSITION (%)

		*1	C	Si	Mn	P	S	Cu	Cr	Mo	V	*SA
						*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. J2KB034	L		28	25	77	11	3	2	110	42	0	33
	P		29	24	79	11	3	1	107	43	0	30
	P		29	24	78	11	3	1	107	43	0	29
J2KB036	L		28	24	74	13	3	2	106	43	0	22
	P		30	24	74	13	3	1	103	44	0	20
	P		29	26	75	14	4	1	103	44	0	20
J2LA453	L		28	26	76	10	4	2	109	41	0	38
	P		29	28	76	10	4	1	105	43	0	35
	P		29	28	77	9	4	1	106	42	0	34
J3L1687	L		28	24	73	11	5	2	106	41	0	24
	P		28	24	73	10	4	1	102	41	0	23
	P		28	24	73	11	4	1	102	42	0	23
J3L1691	L		29	23	79	10	4	2	109	42	0	36
	P		29	22	77	10	4	1	106	42	0	33
	P		29	22	76	9	4	1	106	43	0	33
J3L1694	L		29	20	76	10	5	2	106	43	0	32
	P		30	21	76	10	4	1	103	44	0	32
	P		30	22	76	9	4	1	103	44	0	32
J3L2084	L		28	26	74	9	4	2	105	42	0	29
	P		27	24	75	10	5	2	103	42	0	25
	P		28	24	75	9	5	2	103	42	0	25
J3L2086	L		29	24	78	11	4	2	106	42	0	27
	P		28	24	75	10	4	2	103	42	0	28
	P		28	24	75	10	4	2	103	42	0	26

*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

HEAD OF DEPARTMENT
QUALITY ASSURANCE DEPARTMENT

<An Important Message To Our Customers>
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