



NIPPON STEEL &
SUMITOMO METAL
CORPORATION

(B)

NIPPON STEEL & SUMITOMO METAL CORPORATION
WAKAYAMA WORKS [KAINAN AREA]
260-100, FUNOO, KAINAN, JAPAN

INSPECTION CERTIFICATE

CERTIFICATE NO. :BYFF5232

PAGE : 1/1 DATE : 2014-11-25

CUSTOMER : [REDACTED]
ORDER NO. :LG000X3
SHIPPER : [REDACTED]
COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-3545R0
STANDARD :PM-SMD
SPECIFICATION :
MILL WORK NO. :BYFF5232

O. D. :88.9mm W. T. :9.35mm LENGTH:MIN.9224mm MAX.9376mm QUANTITY:1662pcs.
TOTAL LENGTH:15471.87m MASS:302460kg

HEAT NO. :J4KAB70 J4KAB71 J4KAB74
PRODUCTS PCS. :1258 375 29

CHEMICAL COMPOSITION (%)

		*1	C	Si	Mn	P	S	Cu	Cr	Mo	V	*SA
						*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. J4KAB70	L		28	22	74	11	4	2	109	42	0	24
	P		30	22	74	11	4	1	107	44	0	22
J4KAB71	P		29	22	75	11	4	1	106	44	0	22
	L		29	22	76	9	4	2	107	42	0	41
	P		30	24	79	10	4	1	104	43	10	41
J4KAB74	P		30	24	78	10	4	2	105	43	10	42
	L		29	21	79	10	4	2	109	42	0	38
	P		29	20	80	10	4	1	107	42	0	36
	P		29	20	80	10	4	1	108	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.

J. Takano TAKASHI TAKANO

HEAD OF DEPARTMENT
QUALITY ASSURANCE DEPARTMENT

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Fax. No. : +81-3-6867-4926 E-mail:pipe-ipp@jp.nssmc.com

INSPECTION CERTIFICATE

CERTIFICATE NO. :BYFF5236

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

CUSTOMER : [REDACTED]
ORDER NO. :LG000V3
SHIPPER : [REDACTED]
COMMODITY :HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-3545R0
STANDARD :PM-SMD
SPECIFICATION :
MILL WORK NO. :BYFF5236 O. D. :88.9mm W. T. :9.35mm LENGTH:MIN.9224mm MAX.9376mm QUANTITY:1665pcs.
TOTAL LENGTH:15488.99m MASS:303290kg

HEAT NO. :J3K1256 J4KA066 J4KA069
PRODUCTS PCS. :474 125 1066

CHEMICAL COMPOSITION (%)

		#1	C	Si	Mn	P #2	S #2	Cu	Cr	Mo	V #2	*SA #2
SPEC. MIN. MAX.	R		25	15	70	-	-	-	100	40	-	15
	R		31	35	90	15	5	20	120	50	50	50
HEAT NO. J3K1256	L		28	23	73	8	5	2	105	41	0	31
	P		29	24	74	9	5	1	104	42	0	29
	P		30	24	74	8	4	1	104	42	0	28
J4KA066	L		28	22	76	10	3	2	108	42	0	34
	P		28	21	78	10	3	1	106	42	0	32
	P		28	21	78	9	3	1	106	42	0	32
J4KA069	L		28	23	75	11	4	2	108	42	0	30
	P		29	22	76	10	4	1	106	42	0	28
	P		29	22	75	10	4	1	107	42	0	28

*1 R:LADLE & PRODUCT ANALYSIS L:LADLE ANALYSIS P:PRODUCT ANALYSIS *2:X1000 OTHER:X100 *SA:Sol. A1

VISUAL & DIMENSIONS: ACCEPTABLE
EDDY CURRENT EXAMINATION: ACCEPTABLE

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J. Takano

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INSPECTION CERTIFICATE

CERTIFICATE NO. :BYFF6973

PAGE : 1/1 DATE : 2013-07-18

CUSTOMER : [REDACTED]
ORDER NO. : 137GT003
SHIPPER : [REDACTED]
COMMODITY : HOT FINISHED SEAMLESS GREEN PLAIN PIPE AS PER TSP-2336R8
STANDARD : PM-SMD
SPECIFICATION :
MILL WORK NO. : BYFF6973

O. D. : 88.9mm W. T. : 9.35mm LENGTH: MIN. 9194mm MAX. 9346mm QUANTITY: 840pcs.
TOTAL LENGTH: 7782.66m MASS: 152921kg

HEAT NO. : J3L2086 J3L6365 J3L6366
PRODUCTS PCS. : 30 764 46

CHEMICAL COMPOSITION (%)

		*1	C	Si	Mn	P	S	Cu	Cr	Mo	V	*SA
						*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.												
J3L2086	L	L	29	24	78	11	4	2	106	42	0	27
	P	P	29	24	78	11	5	1	104	43	0	28
	P	P	29	23	78	10	4	1	104	43	0	27
J3L6365	L	L	29	22	81	8	3	2	110	42	0	42
	P	P	29	23	81	8	3	1	107	42	0	38
	P	P	29	23	81	8	3	1	106	42	0	40
J3L6366	L	L	29	25	78	7	4	2	107	42	0	40
	P	P	29	25	79	7	4	1	105	43	0	39
	P	P	29	26	79	7	4	1	105	43	0	38

*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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