

INSPECTION CERTIFICATE

Nippon Steel Corporation

HEAD OFFICE : 6-3, OTEMACHI 2-CHOME, CHUO-KU, TOKYO 100-0004, JAPAN
 SAKAI WORKS : 1-CHIKKYOAWATA-CHO, SAKAI-KU, SAKAI-SHI, OSAKA-PREF. 590-0901, JAPAN

CONTRACT No.: 7-831-D2-5-7-ST01
 REFERENCE No.: 228033-39.1/10100
 SHIPPER: HANWA CO. LTD.
 CUSTOMER: SHEET PILING (UK) LIMITED
 SHIP No.:
 COMMODITY: STEEL SHEET PILES
 SPECIFICATION: JIS. A5523. SYW295

CUSTOMER'S CONTROL No.(1):
 PROJECT NAME:
 DATE OF ISSUE: JULY 21, 2007
 CERTIFICATE No.: 70721S001-001

REMARKS:

SIZE	CUSTOMER'S CONTROL No. (2)	NUMBER PRODUCT	MASS KG	CAST No.	TEST No.	TENSILE TEST				IMPACT TEST				
						LOCATION ORIENTATION	SPECIMEN SIZE	TEST TEMP	Y.P. YS	TS	EL. YIELD RATIO	REDUCTION OF AREA	TEST	TEMP
NSP3WX8M		1	653ZDH993KP2310WL1	434	53326	WL11	190	174	195	203				
		1	653ZEFJ308KP1810WL1	443	54526	WL11	203	201	208	200				
		8	5224ZFK844YB3810WL1	424	53525	WL11	199	196	207	193				
			YB3820WL1	430	53426	WL11	211	215	216	203				
		60	39180ZFK847YB3710WL1	431	53825	WL11	199	199	199	199				
			YB3720WL1	432	54026	WL11	199	199	199	199				
		45	29385ZFK847YB7210WL1	438	54125	WL11	189	200	179	190				
			YB7220WL1	430	54025	WL11	189	200	179	190				
		120	78360ZFK872YB7310WL1	416	53025	WL11	189	200	179	190				
			YB7320WL1	424	53027	WL11	189	200	179	190				

CAST No.	CHEMICAL COMPOSITION (X100)										P. PRODUCT ANALYSIS (%)										
	C	Si	Mn	P	S	CU	NI	CR	MO	NB	V	Ti	ZR	N	T-A2	Mn/C	CEQ-1	CEQ-2	Pcm	TE-1	TE-2
ZDH993	16	12	138	21	9	2	3	0	2	0	0	0	27	15	40	39	14	40	40	40	40
ZFJ308	15	12	140	19	7	1	3	0	0	0	0	0	26	14	39	14	40	40	40	40	40
ZFK844	15	15	141	18	9	1	3	0	0	0	0	0	23	17	40	40	40	40	40	40	40
ZFK847	15	15	141	18	6	1	3	0	0	0	0	0	23	17	40	40	40	40	40	40	40
ZFK872	15	13	136	20	6	1	2	0	0	0	0	0	27	14	39	14	40	40	40	40	40

NOTES:
 *1 LOCATION F: FLANGE W: WEB C: CENTER
 *2 ORIENTATION L: LONGITUDINAL C: TRANSVERSE Z: THROUGH THICKNESS

CAST No. C Si Mn P S CU NI CR MO NB V Ti ZR N T-A2 Mn/C CEQ-1 CEQ-2 Pcm TE-1 TE-2

CEQ-1=C+Mn/6+Si/24+Ni/40+Cr/5+Mo/4+V/14

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE CONTRACT.

R. Adinace

GROUP MANAGER, SCHEDULING & QUALITY MANAGEMENT DEPT. SAKAI WORKS