

SAHATHAI
S T E E L P I P E
MILL TEST REPORT

SAHA THAI STEEL PIPE PCL
78 Moo 3 Poochao Road,
Bangyapraek, Phrapradaeng,
Samuthprakarn 10130 Thailand.
Tel: +66 (0) 2385-9023

NO : EX24000022
DATE : 20 Jan 2024

SHIPPING MARKS :
MASTER PIPE
SPEC.
SIZE
WEIGHT
LOT NUMBER
DESTINATION PORT
PCS / BUNDLE
BATCH NO.
BUNDLE NO.
MADE IN THAILAND


SHIPPED TO: HOUSTON, TX USA
SHIPPED BY: MV. ZHONG CHANG 538 V.08

DESCRIPTION OF GOODS AND/OR SERVICES:

COVERING 100 PERCENT OF INVOICE VALUE OF GOODS AND/OR SERVICES DESCRIBED AS PRIME QUALITY ERW STEEL PIPE,
MANUFACTURED IN ACCORDANCE WITH ASTM A53/ASME SA53 GR. A EACH SET OF DOCUMENTS TO REFERENCE ONE OF THE FOLLOWING APPLICANT
PO NUMBERS: 5832 / 367464-01
CFR HOUSTON, TX USA

MATERIAL IS OF THAILAND ORIGIN. "COUNTRY OF MELT AND POUR : THAILAND"
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY SAHA THAI STEEL PIPE (PUBLIC) CO., LTD.




MISS NITTAYA SRAJIT
QUALITY ASSURANCE MANAGER

ISO 9001 Certification by Bureau Veritas (#TH019664)

SAHATHAI
STEEL PIPE
MILL TEST REPORT


SAHA THAI STEEL PIPE PCL
78 Moo 3 Poochao Road,
Bangyapraek, Phrapradaeng,
Samuthprakarn 10131 Thailand.
Tel: +66 (0) 2385-9023

CERTIFICATE NO. : EX24000022
DATE : 20 Jan 2024
CUSTOMER :
CONTRACT (P/O) No. : 5832 / 367464-01
INSPECTION CERTIFICATE : ACCORDING TO EN 10204 : 2005 TYPE 3.1
COMMODITY : NEWLY PRODUCED, PRIME QUALITY ERW STEEL PIPE
SPECIFICATION : ASTM A53-2022 / ASME SA53-2021 GRADE A / ASTM A795 - 2021 UL/FM CERTIFIED

ITEM NO.	TYPE OF PIPE END	DIMENSION			NUMBER OF BUNDLES	NUMBER OF PIECES	H/N (STS)	CHEMICAL COMPOSITION %										MECHANICAL PROPERTIES			Pb %	WEIGHT OF ZINC COATING G/m ²	HYDRO-STATIC TEST (PSI)	
		NPS	Thickness /sch.no.	Length FT.				C	Si	Mn	P	S	Cu	V	Ni	Cr	Mo	Nb	TS. PSI	YP. PSI				EL %
1	BPE	1/2"	40	21	15	1,800	46625	0.165	0.089	0.077	0.007	0.004	0.149	0.031	0.074	0.025	0.013	0.019	67414	62572	33.28	-	-	1200
							87894	0.047	0.008	0.276	0.011	0.006	0.006	<0.001	0.017	0.027	0.006	0.006	61054	59580	35.16	-	-	1200
2	BPE	3/4"	40	21	8	672	87900	0.052	0.006	0.309	0.013	0.005	0.002	<0.001	0.017	0.024	0.006	0.007	59212	57213	39.94	-	-	1200
							88028	0.115	0.007	0.488	0.016	0.007	0.010	<0.001	0.017	0.026	<0.001	<0.001	67168	63691	37.16	-	-	1200
3	BPE	1"	40	21	40	2,400	88033	0.142	0.008	0.488	0.021	0.006	0.009	<0.001	0.017	0.029	<0.001	<0.001	70303	65769	37.08	-	-	1200
							86217	0.061	0.010	0.328	0.012	0.006	0.025	0.001	0.017	0.026	0.002	0.014	58153	55246	49.54	-	-	1200
							86228	0.062	0.008	0.325	0.011	0.006	0.028	<0.001	0.018	0.023	0.003	0.015	57569	45918	48.66	-	-	1200
							87618	0.036	0.008	0.229	0.007	0.009	0.004	0.002	0.015	0.021	0.001	0.009	59073	52951	41.68	-	-	1200
							87619	0.040	0.009	0.216	0.014	0.007	0.009	0.003	0.016	0.019	0.002	0.009	59073	52951	41.68	-	-	1200
							87626	0.048	<0.001	0.248	0.014	0.008	0.007	0.004	0.017	0.034	<0.001	0.012	68135	64265	41.26	-	-	1200
							87627	0.041	<0.001	0.225	0.009	0.007	0.010	0.004	0.018	0.011	<0.001	0.009	59073	52951	41.68	-	-	1200
							87630	0.091	0.015	0.946	0.012	0.006	0.009	0.006	0.016	0.015	<0.001	0.014	68135	64265	41.26	-	-	1200
							87730	0.178	0.109	0.272	0.015	0.010	0.002	0.004	0.017	0.024	0.001	0.021	66348	54681	41.14	-	-	1200
							87733	0.178	0.109	0.272	0.015	0.010	0.002	0.004	0.017	0.024	0.001	0.021	70418	59091	45.38	-	-	1200
4	BPE	1-1/4"	40	21	37	1,554	87735	0.178	0.109	0.272	0.015	0.010	0.002	0.004	0.017	0.024	0.001	0.021	69271	60926	44.14	-	-	1200
							87740	0.181	0.101	0.302	0.016	0.013	0.004	0.003	0.015	0.021	0.002	0.020	69521	57213	42.94	-	-	1200
							87305	0.135	0.010	0.517	0.015	0.009	0.016	0.004	0.018	0.024	<0.001	0.011	57602	42448	39.38	-	-	1200
							87315	0.121	0.007	0.464	0.016	0.007	0.009	0.003	0.017	0.028	0.002	0.009	56525	37143	35.60	-	-	1200
							87407	0.070	<0.001	0.202	0.011	0.010	0.007	0.078	0.024	0.007	<0.001	0.008	55803	37148	38.58	-	-	1200
							87409	0.053	0.001	0.237	0.014	0.008	0.001	0.077	0.012	0.021	<0.001	0.010	55960	36746	35.84	-	-	1200
							87575	0.032	0.014	0.240	0.012	0.006	0.010	0.001	0.014	0.011	0.010	0.012	60043	49163	35.80	-	-	1200
							87582	0.059	0.002	0.224	0.010	0.008	0.007	0.009	0.025	0.012	<0.001	0.007	54787	41576	38.24	-	-	1200
							87619	0.040	0.009	0.216	0.014	0.007	0.009	0.003	0.016	0.019	0.002	0.009	54470	46105	40.58	-	-	1200
							87669	0.050	0.157	0.359	0.013	0.005	0.159	<0.001	0.060	0.044	0.011	<0.001	55342	46195	34.74	-	-	1200
87675	0.053	0.162	0.364	0.007	0.004	0.180	<0.001	0.081	0.045	0.013	<0.001	55142	45787	34.44	-	-	1200							
SUB TOTAL		: 5832 / 367464-01			100	6,426																		

NONDESTRUCTIVE TEST EDDY CURRENT GOOD	HEAT TREATMENT (WELD SEAM)	FLATTENING TEST	BENDING TEST GOOD	VISUAL & DIMENSION GOOD	WE CONFIRM THAT MATERIAL IS MERCURY AND LEAD FREE. GALVANIZED STEEL PIPE IS IN ACCORDING WITH NSF/ANSI 372
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WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.


NITTAYA SRAJIT
QUALITY ASSURANCE MANAGER

ISO 9001 Certification by Bureau Veritas (#TH019664)

