

**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 : EX2400094  
DATE : 13 Mar 2024

TO: MASTER PIPE DISTRIBUTION COMPANY, LLC  
SHIPPED TO: HOUSTON, TX USA  
SHIPPED BY: MV. PAQUETA ISLAND V.09

**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: 5875 / 373281-01  
CFR HOUSTON, TX USA

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

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. : EX24000094  
DATE : 13 Mar 2024  
CUSTOMER : MASTER PIPE DISTRIBUTION COMPANY, LLC  
CONTRACT (P/O) No. : 5875 / 373281-01  
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 <sup>2</sup>	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 %										
4	BPE	1-1/4"	40	21	70	2,940	88342	0.046	0.008	0.194	0.015	0.009	0.007	<0.001	0.014	0.031	<0.001	0.012	49423	41045	41.60	-	-	1200							
							88353	0.079	0.012	0.894	0.015	0.005	0.018	<0.001	0.041	0.032	0.015	0.013	49051	33664	38.78	-	-	1200							
							88356	0.077	0.007	0.943	0.012	0.006	0.008	<0.001	0.016	0.024	<0.001	0.017	49051	33664	38.78	-	-	1200							
							88358	0.079	0.012	0.894	0.015	0.005	0.018	<0.001	0.041	0.032	0.015	0.013	49051	33664	38.78	-	-	1200							
							88390	0.162	0.102	0.263	0.017	0.006	<0.001	<0.001	0.015	0.022	<0.001	0.022	68627	52102	33.34	-	-	1200							
							88391	0.162	0.102	0.263	0.017	0.006	<0.001	<0.001	0.015	0.022	<0.001	0.022	69209	48574	34.02	-	-	1200							
							88412	0.037	0.010	0.234	0.014	0.006	0.010	<0.001	0.013	0.013	0.009	0.007	58144	47333	30.76	-	-	1200							
							88416	0.147	0.019	0.457	0.015	0.008	0.017	<0.001	0.031	0.030	0.003	0.008	66124	49978	38.10	-	-	1200							
							88417	0.125	0.010	0.429	0.019	0.010	0.014	<0.001	0.030	0.034	0.003	0.006	66833	53959	35.50	-	-	1200							
							88431	0.038	0.020	0.239	0.011	0.007	0.007	<0.001	0.014	0.014	0.002	0.012	55822	46489	40.42	-	-	1200							
							88432	0.040	0.017	0.232	0.016	0.014	0.040	<0.001	0.021	0.028	0.004	0.013	55850	50979	31.82	-	-	1200							
							88433	0.032	0.009	0.212	0.009	0.009	0.012	<0.001	0.023	0.025	0.007	0.011	57223	54356	30.18	-	-	1200							
							88435	0.032	<0.001	0.212	0.014	0.012	0.007	<0.001	0.013	0.019	<0.001	0.006	48832	37208	43.38	-	-	1200							
							88436	0.041	0.006	0.182	0.010	0.007	0.009	<0.001	0.013	0.022	<0.001	0.010	48760	34188	34.68	-	-	1200							
							5	BPE	1-1/2"	40	21	89	3,204	88584	0.127	0.113	0.323	0.021	0.006	0.028	0.003	0.026	0.044	0.009	0.025	64383	49220	31.10	-	-	1200
														88067	0.127	0.011	0.497	0.016	0.008	0.018	<0.001	0.018	0.026	<0.001	<0.001	62940	55345	37.34	-	-	1200
88347	0.034	<0.001	0.216	0.009	0.011	0.006								<0.001	0.014	0.025	<0.001	0.012	51491	48298	41.30	-	-	1200							
88610	0.143	0.113	0.327	0.022	0.007	0.030								0.003	0.027	0.049	0.009	0.026	69116	62772	28.94	-	-	1200							
88614	0.143	0.113	0.327	0.022	0.007	0.030								0.003	0.027	0.049	0.009	0.026	70205	58567	30.94	-	-	1200							
88616	0.143	0.113	0.327	0.022	0.007	0.030								0.003	0.027	0.049	0.009	0.026	68011	62483	33.18	-	-	1200							
88617	0.143	0.118	0.321	0.028	0.009	0.023								0.003	0.021	0.037	0.005	0.026	68836	58106	32.10	-	-	1200							
88618	0.143	0.118	0.321	0.028	0.009	0.023								0.003	0.021	0.037	0.005	0.026	68836	58106	32.10	-	-	1200							
88619	0.143	0.118	0.321	0.028	0.009	0.023	0.003	0.021	0.037	0.005	0.026	68955	54842	34.02	-	-	1200														
88621	0.145	0.110	0.320	0.023	0.007	0.030	0.003	0.029	0.055	0.010	0.025	69144	65996	30.52	-	-	1200														

<b>SUB TOTAL</b>	: 5875 / 373281-01	<b>229</b>	<b>10,969</b>																				
NONDESTRUCTIVE TEST EDDY CURRENT		HEAT TREATMENT (WELD SEAM)		FLATTENING TEST		BENDING TEST		VISUAL & DIMENSON		WE CONFIRM THAT MATERIAL IS MERCURY AND LEAD FREE. GALVANIZED STEEL PIPE IS IN ACCORDING WITH NSF/ANSI 372													
GOOD						GOOD		GOOD															

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)