



LPN PLATE MILL

199/9 Moo 4 Suksawad Road Pakklongbangplakod, Prasamutchedee, Samutprakarn 10290 THAILAND
Company registration number : 0107539000014 TEL. (662) 815-6400-9 Fax : (662) 8156427-29

LPN PLATE MILL PUBLIC COMPANY LIMITED

101615

EN 10204:2004 Type 3.1
MILL TEST CERTIFICATE

MACSTEEL INTERNATIONAL USA CORP.

THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS

ASTM A36-2019/ASME SA36-2023

PHYSICAL PROPERTIES

Test No	LOT	HEAT NO.	DATE RECEIVED	DATE TESTED	DESCRIPTION (T x W x L) (inch)	QTY PCS	YIELD KSI	TENSILE KSI	% ELONG in 200 mm (8 in)	% ELONG in 50 mm (2 in)	UT ASTM LEVEL 2	HARDNESS BRIN	BEND TEST	IMPACTS
791723	E3	851	18/01/24	18/01/24	1" X 96" X 480"	2	41	66	28	-	-	-	-	-
792623	E3	877	20/01/24	20/01/24	1" X 96" X 480"	2	42	66	28	-	-	-	-	-
792023	E3	841	18/01/24	18/01/24	1" X 96" X 480"	2	44	69	27	-	-	-	-	-

CHEMICAL ANALYSIS (Product Analysis)

Test No	LOT	HEAT NO.	DATE RECEIVED	DATE TESTED	C	SI	Mn	P	S	Al	Ni	Cu	Sn	Cr	As	Mn	Nb	Pb	Ti	V	B	C.E.
791723	E3	851	18/01/24	18/01/24	0.169	0.182	0.864	0.012	0.015	0.037	0.013	0.043	0.015	0.022	0.010	0.017	0.000	< 0.002	0.002	0.003	0.0006	0.31
792623	E3	877	20/01/24	22/01/24	0.185	0.181	0.877	0.016	0.016	0.043	0.016	0.045	0.014	0.026	0.010	0.023	0.002	0.006	0.001	0.004	0.0005	0.33
792023	E3	841	18/01/24	18/01/24	0.172	0.195	0.889	0.018	0.010	0.039	0.015	0.043	0.015	0.033	0.010	0.017	0.000	< 0.002	0.002	0.004	0.0005	0.32

Killed from slabs melted and poured at EASTERN STEEL SPN BHD, Malaysia.

I certify the above results to be correct as contained in the records of LPN PLATE MILL Public Co., Ltd.

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of LPN PLATE MILL Public Co., Ltd.

"Fully Killed", "Fine grain", "No Mercury Added" and "no weld repair"

(Signature)
22.01.24
(Nattaniha Yeamthim)
Reported By
Laboratory Engineer

(Signature)
22.01.24
(Panomporn Tangthitham)
Approved By
General Manager - Quality Assurance

Remark: 1)Jadle analysis : the chemical analysis representative of a heat of steel as reported by the producer 2)Product analysis : the chemical analysis from directly analyze this product. (HQ-F-QA-1-501 Rev.003/15-Aug2020)





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Factory : 199/9 Moo 4 Suksawad Road Paklongbangplakod, Prasamutchedee, Samutprakarn 10290 THAILAND

TEL. (662) 815-6400-9

ITEM	Grade	Cer No.	ID No.	Heat No.	Size	Q'TY
1	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G184AND01	877	1" X 96" X 480"	1
2	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G184DND01	877	1" X 96" X 480"	1
3	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G282AND01	841	1" X 96" X 480"	1
4	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G282DND01	841	1" X 96" X 480"	1
5	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G281AND01	851	1" X 96" X 480"	1
6	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G281DND01	851	1" X 96" X 480"	1



General Manager Quality Assurance

(Panompon Tangjittham)