



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

EN 10204:2004 Type 3.1  
MILL TEST CERTIFICATE

# LPN PLATE MILL PUBLIC COMPANY LIMITED

101615

## 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 KG	TENSILE KG	% ELONG IN 50mm (2 in)	% ELONG IN 50mm (2 in)	UT ASTM LEVEL 2	HARDNESS BHN	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 SBN 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"

(Nattaniha Yeenthim)  
22.01.24

Reported By  
Laboratory Engineer

(Panompon Tangthum)  
22.01.24

Approved By  
General Manager - Quality Assurance

Remark: (1)adle 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-Aug-2020)





# LPN PLATE MILL PUBLIC COMPANY LIMITED

LPN PLATE MILL

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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	E3G184AND1	877	1" X 96" X 480"	1
2	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G184DND1	877	1" X 96" X 480"	1
3	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G282AND1	841	1" X 96" X 480"	1
4	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G282DND1	841	1" X 96" X 480"	1
5	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G281AND1	851	1" X 96" X 480"	1
6	ASTM A36-2019,ASME SA36-2023 AND ABS GRADE A	MST 130/24	E3G281DND1	851	1" X 96" X 480"	1



General Manager Quality Assurance

(Panompon Tangjittham)