



LPN PLATE MILL

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# LPN PLATE MILL PUBLIC COMPANY LIMITED

101541

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 AS 710 LEVEL 2	HARDNESS BHN	BEND TEST	IMPACTS
7706/23	E3	825	29/12/23	03/01/24	0.75" X 96" X 480"	2	42	66	27	-	-	-	-	-
7705/23	E3	835	29/12/23	03/01/24	0.75" X 96" X 480"	2	42	64	28	-	-	-	-	-
7707/23	E3	830	29/12/23	03/01/24	0.75" X 96" X 480"	1	42	64	29	-	-	-	-	-
7704/23	E3	838	29/12/23	03/01/24	0.75" X 96" X 480"	2	42	66	28	-	-	-	-	-

### CHEMICAL ANALYSIS (Product Analysis)

Test No	LOT	HEAT NO.	DATE RECEIVED	DATE TESTED	C	SI	Mn	P	S	Al	NI	Cu	Sn	Cr	AS	NiO	Nb	Pb	TI	V	B	C.E.
7706/23	E3	825	29/12/23	05/01/24	0.159	0.266	0.635	0.010	0.014	0.027	0.018	0.049	0.014	0.027	0.008	0.029	0.002	< 0.002	0.001	0.003	0.0002	0.26
7705/23	E3	835	29/12/23	05/01/24	0.145	0.251	0.545	0.014	0.011	0.025	0.019	0.045	0.013	0.028	0.009	0.025	< 0.000	< 0.002	0.001	0.003	0.0001	0.24
7707/23	E3	830	29/12/23	05/01/24	0.158	0.283	0.601	0.013	0.011	0.026	0.020	0.054	0.014	0.027	0.008	0.030	0.000	< 0.002	0.001	0.003	0.0002	0.26
7704/23	E3	838	29/12/23	05/01/24	0.157	0.267	0.592	0.021	0.007	0.037	0.015	0.043	0.014	0.018	0.009	0.023	< 0.000	< 0.002	0.001	0.005	0.0001	0.26

\*Rolled from slabs melted and poured at EASTERN STEEL SDN. 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"

(Nattanaicha Yantithim)

18/01/24

Reported By

Laboratory Engineer

(Panompon Tangjitham)

18/01/24

Approved By

General Manager - Quality Assurance

Remark: (1) Acid 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.003/15Aug2020)



