



# SIAM YAMATO STEEL CO., LTD. MILL INSPECTION CERTIFICATE

In Accordance with DIN 50049 / EN 10204-3.1

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This document issued in accordance with  
NSC-ONSC Accreditation requirement.  
NSC-ONSC accredited testing No.0293  
for compliance with ISO/IEC 17025

NSC-TISI-TIS 17025

TESTING 0293

SYS's Quality management  
system is certified by MASC1  
(Certificate No. QMS 03173/777)

**Certificate No.** : 42121010126  
**Reference No.** : OCE2000661/1  
**D/P No.** : 3425032846 , 3425032847 , 3425032848

**Customer** : H.J. ASMUSS  
**Description of Goods** : Hot Rolled Structural Steel

**Remark 1** : CONFORMED TO AS/NZS 3679.1 : 2016 GRADE AS/NZS 3679.1-300  
**Remark 2** :  
**Remark 3** :

Standard : AS/NZS 3679.1-2016 AS/NZS 3679.1-300

Steelmaking and Manufacturing Process:EAF, Cast Analysis (L)

Location of sample and test piece : Comply with AS/NZS 3679.1 :2016

Type of Impact test piece : -

Tensile Test : Comply with AS 1391-2007

Impact Test : Comply with AS 1544.2-2003

Shape of Tensile test piece : Rectangular cross-section

Marking of the product : Marking and Information available on Sticker

Revision :00

Date of Issue :16/01/2021

Page 1 of 1

Dimension & Length	Grade	Qty (Pcs.)	Heat No.	Yield Str. (MPa)	Mechanical Property (Test Piece Direction : L)							Chemical Composition (%)														
					Tensile Str. (MPa)	Elong.(%)	Bend Test	Charpy Impact (J) -				C x100	Si x100	Mn x100	Cu x100	Al x1000	P x1000	S x1000	Nb x1000	V x1000	Ni x100	Cr x100	Ti x1000	Mo x1000	CE <sup>(1)</sup> x100	B x10000
								Test1	Test2	Test3	Avg.															
200 PFC 22.9KG/MX9.00M	AS/NZS 3679.1-300	27	AB3685	350	510	35.40	-	-	-	-	-	18	18	88	26	0	17	15	1	4	9	12	1	15	38	3
				375	520	33.27	-	-	-	-	-	18	18	88	26	0	17	15	1	4	9	12	1	15	38	3
200 PFC 22.9KG/MX9.00M	AS/NZS 3679.1-300	5	AB3687	365	500	35.06	-	-	-	-	-	14	18	110	26	0	14	20	1	2	8	11	1	16	37	3
230 PFC 25.1KG/MX12.00M	AS/NZS 3679.1-300	3	AB2574	375	520	32.42	-	-	-	-	-	15	17	115	21	2	18	23	0	22	8	15	1	18	40	5
230 PFC 25.1KG/MX12.00M	AS/NZS 3679.1-300	6	AB2575	345	500	32.27	-	-	-	-	-	15	17	118	22	2	13	24	2	21	8	11	1	16	40	5
				375	520	37.61	-	-	-	-	-	15	17	118	22	2	13	24	2	21	8	11	1	16	40	5
230 PFC 25.1KG/MX12.00M	AS/NZS 3679.1-300	1	BB0108	390	540	29.35	-	-	-	-	-	17	16	113	26	2	15	21	0	22	10	11	1	24	41	2
230 PFC 25.1KG/MX6.00M	AS/NZS 3679.1-300	2	BB0109	365	520	33.24	-	-	-	-	-	16	16	110	24	1	17	17	1	21	11	14	1	24	40	3
				390	530	35.66	-	-	-	-	-	16	16	110	24	1	17	17	1	21	11	14	1	24	40	3
230 PFC 25.1KG/MX6.00M	AS/NZS 3679.1-300	20	BB0110	340	500	34.51	-	-	-	-	-	16	18	106	24	2	17	17	1	6	12	14	1	22	39	4
				340	510	37.14	-	-	-	-	-	16	18	106	24	2	17	17	1	6	12	14	1	22	39	4

Checked By : Finished Goods Checking Operator

Remark : CE<sup>(1)</sup> = Carbon equivalent

- Carbon equivalent (CE<sup>(1)</sup>) = C + (Mn/6) + (Cr+Mo+V)/5 + (Ni+Cu)/15

We hereby certify that the material described herein has been tested and inspected  
in accordance with the requirements of the above specification.

Manufactured by Siam Yamato Steel Co.,Ltd.

-A Chemical composition of carbon( C ), Phosphorus(P), manganese (Mn), Silicon (Si),sulphur (S), chromium (Cr),  
molybdenum (Mo), vanadium (V), nickel (Ni), copper (Cu),titanium (Ti), niobium (Nb), boron (B) test performed by  
NSC-ONSC accredited testing No. as above for compliance with ISO/IEC 17025

Mr. Panupong Sinprechanon  
Quality Promotion Department Manager