



THAI KOON STEEL CO., LTD.

299-300 Moo 9 Tambon Bangchak Amphoe Phrapradang Samutprakarn 10130 THAILAND
Tel: 02-817-5252 (12 Lines) Fax: 02-817-6305 WWW.THAIKOONSTEELGROUP.COM

INSPECTION AND TEST CERTIFICATE

Certificate No.: 23-0469

Test Date: 05/04/2023

Material Code: FSHP03000300-0170-060000-STIS290

Lot No.: 230302402

Customer Name: 11100831 บริษัท เรืองรวิรินทร์ เมทอลเซ็นเตอร์ จำกัด

Commodity: ท่อเหลี่ยม 30x30x6M หน้า 1.70MM (TIS290)

Test No.: 660405-001

Order No.: 120020550

Grade: SS400

Surface: -

Test Method: มอก. 107-2561 STKR290

Specification: TIS1479

Heat No.: YR23059

Characteristic	REQ.	Specification	Unit	Result	Characteristic	REQ.	Specification	Unit	Result
Chemical Composition					Dimension (MM)				
Carbon (C)		-	%	0.131	Outside Diameter จุด A	Between	± 1.5	mm	30.100
Silicon (Si)		-	%	0.013	Outside Diameter จุด B	Between	± 1.5	mm	30.050
Manganese (Mn)		-	%	0.435	Outside Diameter จุด C	Between	± 1.5	mm	30.040
Phosphorus (P)	Max	0.050	%	0.013	Outside Diameter จุด D	Between	± 1.5	mm	30.120
Sulphur (S)	Max	0.050	%	0.002	Radius มุมที่ 1	Max	≤ 5.1	mm	2.750
Aluminium (Al)		-	%	0.036	Radius มุมที่ 2	Max	≤ 5.1	mm	2.750
Mechanical Characteristic					Radius มุมที่ 3	Max	≤ 5.1	mm	2.750
Tensile Strength (TS)	Min	290.000	N/mm ²	490.170	Radius มุมที่ 4	Max	≤ 5.1	mm	2.750
Yield Strength (YS)		-	N/mm ²	455.490	Thickness จุดที่ 1	Between	± 0.3	mm	1.670
Elongation (EL)	Min	30.000	%	30.400	Thickness จุดที่ 2	Between	± 0.3	mm	1.680
					Thickness จุดที่ 3	Between	± 0.3	mm	1.670
					Thickness จุดที่ 4	Between	± 0.3	mm	1.680
					Length	Between	+ 20 / - 0	mm	6014.00
					Bend Test / Flattening Test		Pass		Pass
					Appearance		Pass		Pass

WE CERTIFY THAT TESTED PRODUCTS LISTED HAVE TEST RESULT AS ABOVE

QUALITY ASSURANCE BY TKS QUALITY CONTROL BY

Date: 6 / 4 / 2023

Date: 6 / 4 / 2023