

# INSPECTION CERTIFICATE

(TO EN 10204 3.1)

**M I E TECHNO CO., LTD.**  
1001 Hoshikawa, Kuwana City  
Mie Prefecture 511-0912, Japan

【 ISO9001:2000 CERTIFICATION No. JQA-QM1899 】



ITEM NO: 5.  
PO NO: 1100-7106-0025  
DO NO: 127779.

Certificate No. : E19081 - 9

Date : 2019/5/29

Proforma Inv. No. : 1903B

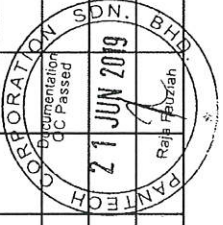
P. O. No. : PO/0062697

Customer : PANTECH CORPORATION SDN. BHD.

Standard ( Raw Material )	Standard ( Dimension )	Commodity ( Type )
ASTM/ASME A/SA 182 F304/304L	ASME B16.5	WN RF

Rating / Size	W. T.	No. of Pieces	Lot No. (Manufacturing Heat No.)	Appearance Inspection	Dimensional Inspection
① 300LB / NPS6	SCH80S	10	PY19072	Good	Good
② 600LB / NPS4	SCH40S	15	PY19082	Good	Good
③ 600LB / NPS6	SCH40S	12	PY19083	Good	Good
④ 150LB / NPS6	SCH10S	180	PY19051	Good	Good

Heat No.	Chemical Composition %											Mechanical Properties								
	C	Mn	P	S	Si	Ni	Cr	Mo	N	Ti	Cu	V	Nb	Al	C.E.	Yield St. (MPa) #2	Tensile St. (MPa) #3	Elongation (%) #4	Reduction (%)	Hardness Av. HB
*1 L N1890222AS07	15	133	35	2	33	801	1844		1.0							354	601	54	69	157
② L N1890222AS07	15	133	35	2	33	801	1844		1.0							354	601	54	69	157
③ L N1890222AS07	15	133	35	2	33	801	1844		1.0							354	601	54	69	157
④ L N190305AW07	12	139	3	3	36	802	1814		1.0							367	633	53	68	152
Specification	Min. 30	Max. 200	Min. 45	Max. 30	Min. 100	Max. 1100	Min. 1800	Max. 2000								Min. 205	Min. 515	Min. 30	Min. 50	Max. 187



Remarks : (1) Solution Heat Treatment at 1,060°C then Water Quenched  
 (2) NACE MR-0175/2003 Satisfied (Hardness only)  
 (3) Intergranular Corrosion Test according to ASTM A262 Practice-E  
 (4) P.M.I. Satisfactory  
 (5) All material according to ASME BPVC Sec. II Part-A (with 2015 edition)  
 (6) ASTM A 182/A 182M -10 ASME SA 182/SA 182M -07

Notes : \*1 "L" means "Ladle Analysis".  
 \*2 "P" means "Product Analysis".  
 \*3 Yield Strength : 0.2% off set  
 \*4 Type of Test Specimen for Tensile Strength Inspection As per Raw material Standard Gauge Length : In 2 in [ 50mm ] or 4D

PANTECH CORPORATION SDN. BHD.  
 Chief True Copy  
 WOO PUJ NEE

We hereby certify that the material described herein has been made in accordance with the standard and specification specified and that the material satisfied the requirements.



CHIEF OF INSPECTION SECTION

**Takuya.Kato**