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PURCHASER: PANTECH CORPORATION SDN BHD

TRU-FLOW
INDUSTRIAL CO., LTD.
INSPECTION CERTIFICATE

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COMMODITY: STAINLESS STEEL BUTT WELD PIPE FITTINGS

DATE: 2019.04.25

MATERIALS: ASTM A312/A 312M -2017

ORDER NO.: CS190120

SPEC: ASTM A403/A403M -16 WP304/304L -W
ASME B16.9 -12

MFG.NO.: FO-201901-016

CERTIFI.NO.: PO-201901-049

L/C NO.:

P.O.: 0060814

MILL TEST CERTIFICATE EN10204 3.1/DIN 50049 · PMI TEST:OK, CORROSION TEST ACCORDING TO ASTM A262"E". NACE MR0175

ITEM NO: 6.
PO NO: APO-2106-0035
DO NO: 127778

ITEM NO.	DESCRIPTION	Q'TY	HEAT NO.	RAW MATERIAL HEAT NO.	SURFACE APPEARANCE INSPECTION	DIMENSION INSPECTION
005	CON-RED SCH10S 304L-W 6" x2"	20	183351131	1008631	GOOD	GOOD
006	CON-RED SCH40S 304L-W 6" x2"	15	167341L57	LZ224657	GOOD	GOOD
007	45° ELBOW LR SCH10S 304L-W 6"	50	184177C01	CIV050201	GOOD	GOOD
008	ECC-RED SCH10S 304L-W 1½" x¾"	20	18B056V57	VBK070157	GOOD	GOOD
009	ECC-RED SCH10S 304L-W 2½" x1"	20	18A186V10	VBK084210	GOOD	GOOD
010	ECC-RED SCH10S 304L-W 6" x2½"	10	17C074Y18	YU277718	GOOD	GOOD
011	ECC-RED SCH40S 304L-W 2" x1"	20	177116C84	CIB050284	GOOD	GOOD
012	TEE SCH10S 304L-W ½"	200	189147C16	CLH050016	GOOD	GOOD
013	TEE SCH10S 304L-W 1"	300	18C042V32	VBK104132	GOOD	GOOD
014	TEE SCH40S 304L-W ½"	300	18C283C74	CLH050074	GOOD	GOOD

STANDARD	CHEMICAL COMPOSITION(%)								PHYSICAL TENSILE PROPERTY(%)			
	C MAX.	Si MAX.	Mn MAX.	P MAX.	S MAX.	Ni	Cr	Mo	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATION	HARDNESS TEST HRB
304/304L	0.030	1.000	2.000	0.045	0.030	8-11	18-20	-----	205	515	%	
005	0.019	0.471	0.970	0.033	0.007	8.12	18.18		255	627	40.00	78
006	0.020	0.450	1.030	0.037	0.004	8.03	18.26		317	614	46.00	78
007	0.024	0.400	1.190	0.025	0.002	8.06	18.23		302	636	56.00	76
008	0.020	0.490	0.900	0.035	0.003	8.09	18.14		280	558	65.00	73
009	0.021	0.390	1.380	0.031	0.008	8.05	18.06		338	633	58.00	76
010	0.019	0.390	0.940	0.033	0.001	8.03	18.02		228	634	36.00	73
011	0.016	0.510	1.110	0.024	0.003	8.01	18.10		306	645	58.00	73
012	0.022	0.454	1.350	0.027	0.002	8.09	18.09		270	676	53.00	73
013	0.017	0.370	1.380	0.028	0.002	8.04	18.22		395	675	46.00	76
014	0.022	0.600	1.310	0.032	0.004	8.05	18.07		276	659		

REMARKS: HEAT TREATMENT AT 1060°C(1940°F)±20°C AND WATER QUENCHED.

COLD FORMED.X-RAY TEST REQUIRED FOR WX MATERIAL.

THE CHEMICAL ANALYSIS AND MECHANICAL PROPERTIES FULLY COPY WITH THE CERTIFICATE ISSUED BY THE RAW MATERIAL MANUFACTURER AND/OR BY THE LABORATORY THAT CARRIED OUT THE TESTS

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR BY THE ABOVE ORDER AND IS THAT WHICH HAS BEEN TESTED TO THE SATISFACTION OF THE INSPECTOR.

PANTECH CORPORATION SDN. BHD.
Certified True Copy
WONG HUI NEE
CHIEF OF INSPECTION DEPARTMENT

