



MAC Piping Materials Sdn. Bhd.

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Company No : 1250792-W
Lot 8095, Jalan Sungai Rasau 32,
Kawasan 15, Sungai Rasau, 41300, Klang,
Selangor Darul Ehsan, Malaysia
Tel : +603-3344 9733 Fax : +603-3344 9722
Website : www.macpiping.com
Email : enquiry@macpiping.com

TUV NORD
ISO 9001 : 2015
Certificate Registration
No.: TUV100 43 4226

07/202/9030/MWZ/2302/418
07/202/9030/WP/2302/118
PED2014/68/EU

MILL INSPECTION REPORT

IN ACCORDANCE TO EN 10204 3.1

CERTIFICATE NO : MAC0000130 (4) DATE : 22/03/2022

INVOICE NO. : INV100137
CONTRACT NO. : SO-000651704/734/735/737/777
SHIPPER : MAC PIPING MATERIALS SDN BHD

PURCHASE ORDER N. : 0098337/1142/PO/0091944/91950/2975/4025
CUSTOMER : PANTECH CORPORATION SDN BHD

PRODUCT : STAINLESS STEEL BUTT WELD FITTINGS (WELDED)
SPECIFICATION : ASTM A403/ASME SA403MA-19
MATERIAL GRADE : WP304/304L-W (WELDED)

ITEM NO: 1
PO NO: 480-204-0088
DO NO: 206834

NO.	DESCRIPTION OF GOODS (PRODUCT, SIZE, SCHEDULE, GRADE)	PO NO.	QUANTITY (PCS)	WEIGHT (KGS)	HEAT NUMBER	TENSILE TEST			HARD- NESS TEST (HRB)	NON- DESTRUCTIVE TEST (NDT)					CHEMICAL COMPOSITION (WT%)							
						Y.S. N/mm ²	T.S. N/mm ²	EL.% (U)		RT	UT	MT	PT	ET	C	SI	Mn	P	S	Ni	Cr	Mo
1	CONC REDUCER 40"x6" 10S 304L (W)	PO/0091944	20	99.80	43U799	309	617	60	88	N/A	N/A	N/A	N/A	N/A	2.7	48	111	21	3	802	1814	-
2	CONC REDUCER 10"x6" 40S 304L (W)	PO/0091944	10	108.40	43U713	287	693	56	87	N/A	N/A	N/A	N/A	N/A	2.5	34	105	29	1	801	1840	-
3	CONC REDUCER 2-1/2"x1-1/4" 10S 304L (W)	PO/0091944	19	8.93	43U795	259	655	54	84	N/A	N/A	N/A	N/A	N/A	2.2	158	32	2	811	1815	-	
4	CONC REDUCER 5"x2-1/2" 10S 304L (W)	PO/0091944	10	14.80	43U761	284	702	59	84	N/A	N/A	N/A	N/A	N/A	2.5	40	149	25	4	803	1811	-
						187								3.0 100 200 45 30 1200 2000								

PANTECH CORPORATION SDN BHD.
Certified True Copy
WONG HUI NEE

"WE HEREBY CERTIFY THAT THE PRODUCTS DESCRIBED HEREIN HAS BEEN MANUFACTURED, SAMPLED, TESTED & INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION & PURCHASE ORDER AND WAS FOUND SATISFIED TO THE REQUIREMENTS"

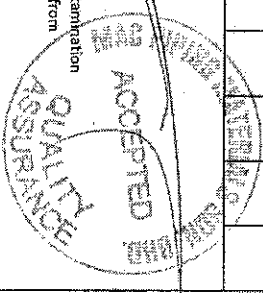
NOTE:

Y.S = Yield Strength
T.S = Tensile Strength
EL = Elongation in 50mm (or 4D), min, %
IKSI = 1:200 BSI
1Mpa = 145038 Ksi

SCH = Schedule
R.T = Radiography Test
U.T = Ultrasonic Test
M.T = Magnetic Particle Test
E.T = Electromagnetic Test
P.T = Dye Penetrant Test

* HEAT TREATMENT : 1080 DEGREE CELSIUS QUENCHED IN WATER
* Products conform to ASME B16.3 2015 and ASME Sec II Part A-2015 SA-403/SA-403M, Welded Formed, annealed and quenched, bevelled ends to ASME B16.25.
* Materials are in accordance to NACE MR 0175 (ISO 15156-1& 15156-3 -2015) & NACE MR 0103 -2015 (latest Edition)
* Intergranular Corrosion Test are in accordance to ASTM A262, Practice E: Passes
* Surface and dimension check has been carried out 100% to all Products
* Pickled and Passivated

* Products are mercury free and free from mercury contamination
* Raw material manufacturer has detected it to be free from radioactive contamination.
* All fittings are confirmed 100% P.M.I. tested
* Stainless steelmaking : Electric arc furnace
* Certified according to AD2000 W0 and PED2014/68/EU Annex 1, Paragraph 4.3



QA/QC DEPARTMENT